PART A

IONOSPHERIC DATA

ISSUED
DECEMBER 1963

SEE PAGE 55 FOR INDEX OF OBSERVED
IONOSPHERIC DATA BEGINNING JANUARY 1957

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 232
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

Issued
31 Dec. 1963

IONOSPHERIC DATA

CONTENTS

IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and distribution of ionospheric and related geophysical data. Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," of the CRPL-F series present a variety of data in convenient form for use in research in radio propagation and the ionosphere and in other geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into the median determination (count) for all ionospheric characteristics listed. Also, when available, the upper and lower quartile values indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods.

Beginning with CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 were plotted by machine methods instead of manually, as in earlier issues. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are available from the CRPL and the IGY World Data Center for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with the original data. The tables and graphs now show the ionospheric data as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data rests entirely with the originator.

Medians of data for the U.S. stations are computed in accordance with the recommendations of the World-Wide Soundings Committee. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1962, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	10	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	49
1962	45	42	40	39	39	38	36	34	32	31	30	30
1963	29	30	30	29	29							

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, foE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE:

UNIVERSIDAD MAYOR DE SAN ANDRES
LA PAZ, BOLIVIA

UNIVERSIDAD DE CONCEPCION
CONCEPCION, CHILE

DANISH NATIONAL COMMITTEE OF URSI
NARSSARSSUAQ, GREENLAND

ICELANDIC POST AND TELEGRAPH ADMINISTRATION
REYKJAVIK, ICELAND

UNITED STATES ARMY SIGNAL CORPS., UNITED STATES OF AMERICA
ADAK, ALASKA
FT. MONMOUTH, NEW JERSEY
GRAND BAHAMA I.
OKINAWA I.
THULE, GREENLAND
WHITE SANDS, NEW MEXICO

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA
(CENTRAL RADIO PROPAGATION LABORATORY)
ANCHORAGE, ALASKA
BARROW, ALASKA
BYRD STATION, ANTARCTICA
COLLEGE (FAIRBANKS), ALASKA (GEOPHY INST OF UNIV OF ALASKA)
HUANCAYO, PERU (INSTITUTO GEOFISICO DEL PERU)
MAUI, HAWAII
TALARA, PERU (INSTITUTO GEOFISICO DEL PERU)
WASHINGTON, D.C.

When a "less than" sign occurs on the graph of the E-layer frequency and a corresponding qualifying E is not found in the table, the corresponding descriptive E (which at times means "less than") was not printed in the table.

TABLES OF IONOSPHERIC DATA

June 1963 - January 1962

TABLE 1

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	40	U	U	U	30	44	52	56	56	56	55	58	64	63	66	66	66	68	68	61	50	46	43
	CNT	22	21	21	24	22	24	26	25	26	20	21	25	24	27	23	24	24	27	24	25	23	22	23	19
	UQ	44	42	40	38	35	34	47	56	59	59	62	62	66	70	71	70	72	74	77	74	67	57	50	47
	LQ	38	36	34	28	29	28	40	44	51	51	52	53	52	55	57	60	59	62	62	66	55	48	40	35
h'F2	MED							288	284	305	350	350	380	387	368	342	335	319	302	271					
	CNT							310	22	26	19	21	25	24	27	22	24	24	28	20					
	UQ							314	340	350	390	367	414	428	406	380	358	332	313	282					
	LQ							260	265	270	316	330	356	365	345	312	320	306	280	258					
h'F	MED	E	E	E	E	F		F		E	E			E	E	E	E	E	E	E		E	E	E	E
	CNT	272	279	260	270	254	254	226	231	212	204	190	200	200	200	210	210	220	240	232	238	234	240	264	276
	UQ	26	25	27	26	26	26	25	18	16	18	16	16	16	18	13	15	18	19	17	25	24	22	23	22
	LQ	290	292	280	280	290	275	246	220	244	230	202	226	219	219	220	220	238	250	255	249	248	260	276	295
		260	255	248	260	249	244	220	200	196	186	179	178	176	180	200	200	208	220	220	229	222	228	240	256
M(3000)F2	MED	305	302	U	305	U	310	315	330	325	320	302	300	290	280	285	290	298	305	305	315	315	315	310	305	300
	CNT	21	20	20	22	21	24	26	24	26	20	21	25	24	27	23	24	24	27	26	25	23	22	22	18
	UQ	310	315	320	330	325	328	346	340	345	318	310	295	290	300	305	302	310	320	330	322	320	320	315	305
	LQ	290	295	295	300	300	310	320	318	300	280	290	272	270	280	280	285	290	295	310	310	310	305	295	295
foF1	MED								380	400	430	440	440	440	445	430	420	410	380						
	CNT							1	8	13	17	19	16	18	18	17	16	19	17	1					
foE	MED							D	D	D	D	D	D	D		D	D	D	D	D					
	CNT							180	235	260	295	300	330	335	340	325	310	288	242	200					
								9	20	21	20	20	21	14	19	19	19	22	20	11					
h'E	MED							E																	
	CNT							119	105	104	102	102	102	103	102	105	103	106	108	110					
								12	35	26	22	24	25	25	28	22	26	24	24	18	1				
foEs	MED	37	35	32	36	30	30	28	40	50	60	50	52	51	44	46	50	54	53	45	54	46	40	36	40
	CNT	25	26	27	26	24	24	26	27	28	250	25	27	27	28	25	27	27	28	27	26	25	24	25	26

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 1963

TABLE 2

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	54	50	U	U	U	U	41	52	40	35	41	52	55	60	62	71	80	87	94	100	102	105	100	92	80	65	57	55
	CNT	24	24	22	24	27	27	30	29	27	29	30	30	30	30	30	30	30	30	30	30	30	30	29	29
	UQ	60	63	58	49	50	47	48	57	60	68	74	80	88	96	100	110	110	111	109	105	90	74	66	61
	LQ	45	42	43	38	35	32	36	50	49	52	58	60	70	78	87	90	92	92	91	78	67	58	54	48
h'F2	MED							253	311	360	376	416	430	429	E 384	366	337	315	294	267	239				
	CNT							5	17	18	28	26	30	30	30	29	30	30	30	28	9				
	UQ							262	351	430	460	479	468	448	407	376	350	328	312	283	252				
	LQ							243	268	286	320	375	398	388	350	334	328	303	275	258	236				
h'F	MED	275	E 262	E 260	E 255	255	248	237	215	200	197	195	E 200	194	200	202	216	214	220	229	236	229	235	255	E 272
	CNT	29	30	29	28	27	28	30	25	21	21	21	24	22	17	19	22	22	15	17	23	28	29	27	27
	UD	288	282	295	284	280	275	244	224	216	206	208	214	201	222	212	225	220	225	232	248	242	257	275	293
	LQ	266	245	246	237	244	228	229	209	195	190	186	191	178	187	195	210	209	213	220	227	220	220	235	256
M(3000)F2	MEO	300	310	U	320	315	U	315	325	290	265	265	258	262	275	280	295	300	310	320	328	325	310	305	300
	CNT	23	19	19	19	19	24	30	29	25	29	29	30	30	30	29	30	30	30	30	30	28	28	28	27
	UQ	305	330	330	325	330	335	345	340	320	305	280	275	275	285	292	305	315	325	330	340	340	335	318	305
	LQ	290	305	300	300	290	312	310	300	272	255	255	250	260	270	280	290	295	305	310	315	308	302	292	290
foF1	MED									425	430	440	450	450	440	440	430	435	390						
	CNT								3	8	26	26	29	29	26	24	27	24	20	1					
foE	MED								U 222	D 270	D 298	322	338	348	D 340	U 340	D 330	U 305	270	D 202					
	CNT							3	18	18	16	12	6	8	15	15	14	20	17	8					
h'E	MED							115	109	104	103	102	102	103	103	103	104	105	107	E 112					
	CNT							9	28	28	29	30	29	28	29	30	30	28	25	16	2	1			
foEs	MED	26	24	24	25	24	21	19	30	38	38	40	42	42	43	40	38	36	37	38	36	32	33	30	30
	CNT	30	30	30	30	30	30	30	30	30	300	30	30	30	30	30	30	30	30	30	30	30	30	30	30

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. JUNE, 1963

TABLE 3

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 34	U 31	30	29	35	39	41	44	45	48	49	50	50	49	50	49	50	49	47	45	44	40	38	37
	CNT	11	11	6	7	11	17	20	21	25	25	27	27	28	27	28	28	29	28	28	26	26	19	19	14
	UQ	36	36	30	30	36	40	43	46	47	50	51	52	52	52	52	53	53	53	52	50	47	44	41	40
	LQ	33	29	27	29	32	36	38	40	40	44	44	45	45	47	47	47	48	46	44	44	42	38	31	32
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	33	33	35	37	36	36	30	27	28	28	28	24	31	22	22	30	30	30	30	35	30	39	48	40
	CNT	25	25	24	20	18	22	20	19	18	210	20	25	29	25	27	26	26	28	25	29	21	28	26	22

SWEEP 1.0 MC TO 25.0 MC IN 16.7 SECONDS. MAY, 1963

TABLE 4

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	28	30	30	30	30	28	26	48	60	60	66	67	67	66	72	69	63	54	42	38	37	34	30	29
	CNT	25	25	25	26	26	25	26	26	29	29	29	29	28	29	28	27	29	28	28	28	28	28	27	27
	UD	32	32	33	32	32	31	29	51	64	66	73	76	70	73	82	79	68	58	47	40	40	38	33	32
	LD	26	27	28	28	29	24	21	42	53	56	57	60	61	62	68	63	59	50	38	35	33	30	25	25
h'F2	MED									220	230	240	240	240	250	240	230	220							
	CNT									5	17	22	26	26	21	23	25	11							
	UD									225	240	240	250	250	270	250	240	230							
	LQ									215	230	230	230	230	240	235	230	220							
h'F	MEO	310	E 308	270	268	245	220	E 260	220	220	215	E 210	205	E 210	185	190	220	220	208	218	235	240	E 240	270	310
	CNT	25	26	25	26	26	26	26	26	29	28	29	26	21	23	23	25	25	28	28	28	28	28	29	28
	UQ	325	320	282	285	270	240	280	230	230	220	225	215	225	210	220	230	225	220	222	260	250	252	295	320
	LQ	300	280	262	250	230	205	245	200	198	192	180	195	195	180	180	210	210	202	200	225	222	230	255	288
M(3000)F2	MED	290	290	310	310	325	350	310	365	370	365	370	365	370	350	355	370	370	360	340	328	330	330	300	290
	CNT	25	25	25	26	25	25	26	26	29	29	29	29	27	27	28	27	29	27	28	28	28	28	27	27
	UQ	300	305	320	320	352	372	325	370	380	375	375	380	380	370	362	380	378	370	365	335	350	340	310	300
	LQ	280	288	300	300	315	305	305	360	370	360	360	358	355	335	340	360	362	350	325	310	315	320	290	285
foF1	MEO																								
	CNT																								
foE	MED									220	U 265	285	U 300	U 302	300	280	252	200							
	CNT								2	21	21	21	16	10	10	13	16	13							
h'E	MED									110	108	108	108	110	110	110	110	E 120							
	CNT								2	27	29	29	28	26	26	23	22	11							
foEs	MED	21	20	18				20	18	26	30	34	34	36	37	32	27	23	35	28	22	22	26	23	22
	CNT	10	13	18	16	19	19	5	11	28	290	29	28	28	29	28	27	27	12	15	15	12	9	10	5

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. MAY, 1963

TABLE 5

REYKJAVIK, ICELAND 64.1N, 21.8W TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		0	D	D	0																D	D	0	U
	CNT		20	17	18	20	28	34	37	39	42	43	45	45	46	45	46	46	43	42	40	39	34	34	28
	UQ	4	6	7	6	10	15	19	22	23	24	25	25	25	26	27	29	29	25	26	24	16	10	7	5
	LQ		25	18	24	25	30	35	39	42	43	46	48	50	49	51	49	48	48	45	43	46	37	35	33
	LO		18	15	17	17	27	30	35	38	41	42	42	43	43	43	44	44	42	39	37	37	32	27	24
h'F2	MED									350	400	370	365	370	355	360	380	352	360						
	CNT									7	15	15	20	23	23	23	24	22	13	4					
	UQ									500	440	410	415	400	400	420	438	390	420						
	LO									320	340	340	325	335	315	325	318	310	295						
h'F	MED	300	300	330	310	300	E	240	230	220	220	220	210	210	210	210	220	230	230	E	260	260	268	270	300
	CNT	6	7	8	6	9	14	18	21	23	22	22	22	22	23	24	25	26	23	24	22	18	16	12	10
	UQ	320	370	355	340	360	280	260	240	239	235	220	220	210	225	218	240	240	250	268	310	270	300	305	320
	LO	270	280	310	300	285	250	230	220	210	220	210	210	200	200	200	210	215	215	230	240	250	250	250	270
M(3000)F2	MED						318	330	325	310	305	300	305	305	300	305	295	310	315	315	310	U 330	U 310		
	CNT	1	2	3	1	4	12	18	21	22	20	18	20	24	23	26	25	27	23	23	16	5	5	2	2
	UD						330	340	330	325	320	315	320	320	320	315	318	320	325	330	325	330	315		
	LO						308	325	312	285	282	295	288	290	290	275	275	290	285	300	300	310	290		
foF1	MED									350	370	380	390	390	400	390	380	370	360						
	CNT									7	16	18	20	21	21	21	22	17	9	3					
foE	MED							D	D	D			D		D	D	D	D	D	D	D				
	CNT							170	180	205	260	270	278	280	272	270	265	245	180	170	160				
						3		6	14	16	12	11	16	16	18	18	16	20	17	15	6		1	1	
h'E	MED							117	114	111	111	119	117	113	117	113	113	111	111	112	121				
	CNT						3	6	14	16	12	11	17	16	18	18	17	19	18	16	8		1	1	
foEs	MED	45	41	38	41	29	28	17	18	21	26	27	28	28	27	27	27	25	18	17	31	37	36	38	35
	CNT	13	18	16	16	13	10	13	16	17	170	13	17	17	18	18	20	24	22	23	21	15	15	15	15

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. APRIL, 1963

TABLE 6

NARSSARSSUAQ, GREENLAND 61.2N, 45.4W TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 25	U 22			U															U	U	U	U	U
	CNT	5	5	3	6	11	16	18	20	18	25	23	27	28	29	29	27	26	24	24	22	20	9	10	5
	UQ	28	29		22	26	33	38	42	43	46	48	48	50	50	50	49	49	48	46	42	39	36	37	30
	LO	24	19		16	21	29	34	37	39	41	42	43	44	44	44	44	44	42	42	37	34	29	30	26
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MED																								
	CNT																								
	UQ																								
	LO																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LO																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	34	34	32	34	27	18	20	25	20	21	27	22	26	28	19	18	26	27	24	29	30	32	56	34
	CNT	20	22	24	23	21	18	18	17	11	190	20	23	26	28	28	27	26	27	26	28	27	22	23	25

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. APRIL, 1963

TABLE 7

ANCHORAGE, ALASKA 61.2N, 149.9W TIME 150.0W

HOUR		00	01	02	05	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 23	U 20	U 22	U 19	U 23	U 29	35	37	40	43	43	45	46	47	46	46	45	46	43	42	39	U 37	U 32	U 26
	CNT	17	13	10	7	21	26	27	27	26	26	27	26	26	28	28	30	29	28	28	26	28	23	21	18
	UQ	24	23	23	23	25	33	37	40	42	45	46	48	50	49	48	48	48	48	46	43	44	44	41	36
	LQ	19	16	19	17	21	25	32	35	38	37	39	42	43	44	43	43	42	42	40	39	34	30	26	23
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LD																								
M(3000)F2	MED	U 302	U 300	U 285		U 310	U 320	278	270	270	272	285	300	300	300	302	315	320	328	328	330	U 320	U 310	U 310	U 320
	CNT	14	10	7	4	17	25	26	23	25	26	25	24	26	27	28	29	29	28	28	26	25	21	19	16
	UQ	320	300	295		325	330	320	300	300	300	300	310	310	330	320	320	335	340	340	335	328	320	325	330
	LQ	290	280	280		295	308	250		230		235	252	270	265	275	292	305	320	320	320	312	305	300	312
foF1	MED							325	350	360	380	390	390	390	400	390	390	380							
	CNT						4	16	22	25	27	29	27	28	29	25	20	6	3						
foE	MED						U	U	U	U	U	U	U	U		0	U	U	U	U					
	CNT						165	200	230	250	270	285	290	290	288	275	270	250	230	190					
						3	7	17	19	17	20	15	15	12	20	14	20	15	20	13	4	1			
h'E	MED					129	119	115	109	105	106	103	103	105	104	105	107	105	109	E 119	129				
	CNT					7	15	25	28	27	28	27	27	27	28	27	29	26	23	17	11	1			
foEs	MED		19	23	23	23	17	U 20	23	U 25	U 27	U 29	29	U 29	29	28	U 27	U 25	23	U 19	20	18			
	CNT	14	13	12	12	17	23	26	29	27	280	28	27	27	28	27	29	26	25	19	13	6	14	20	16

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. APRIL, 1963

TABLE 8

ADAK, ALASKA 51.9N, 176.6W TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	33	32	32	33	35	42	45	46	50	53	54	55	56	54	54	52	51	50	50	51	49	43	37
	CNT	23	23	23	24	25	29	30	29	29	26	27	28	28	27	29	30	30	30	30	29	30	28	27	25
	UD	36	35	35	34	36	38	44	48	52	52	57	58	59	60	57	56	54	53	53	59	60	57	49	40
	LO	31	32	28	29	28	31	38	40	44	44	48	48	50	50	51	51	50	49	48	45	45	42	40	35
h'F2	MEO							415	400	358	340	339	340	332	307	304	300	270	278						
	CNT						4	11	19	26	25	27	26	28	27	25	23	15	8	4					
	UD							435	470	409	414	485	415	360	360	338	315	303	290						
	LO							398	335	325	312	305	302	303	298	285	280	260	252						
h'F	MEO	U 270	U 276	U 286	U 290	U 274	260	235	230	224	216	E 215	208	205	205	213	220	225	235	240	238	242	240	238	E 260
	CNT	28	28	28	27	28	27	30	30	30	28	24	26	25	24	28	29	29	30	29	29	30	30	30	30
	UQ	282	285	290	296	292	274	250	237	238	234	222	218	222	220	226	226	230	240	250	252	255	251	251	270
	LD	260	270	276	275	266	245	220	220	215	210	206	203	194	195	201	210	216	228	235	232	235	230	225	240
M(3000)F2	MED	300	300	290	290	300	310	305	310	300	312	305	305	320	320	320	325	335	332	335	325	312	320	320	310
	CNT	21	19	22	22	23	29	29	27	28	24	27	27	27	27	28	30	30	30	30	29	30	25	25	22
	UO	302	305	300	300	305	315	325	325	318	325	325	320	330	330	335	340	340	340	340	332	320	325	332	315
	LO	290	290	290	290	290	282	280	280	292	282	250	290	305	305	308	310	325	325	320	320	305	308	300	295
foF1	MED							325	360	390	410	420	420	430	420	410	400								
	CNT						1	8	18	23	26	22	24	25	18	19	6	2							
foE	MEO							U 195	U 240	U 270	U 290	U 300	U 310	305	305	U 300	285	D 255	220	U 160					
	CNT						2	17	25	28	21	16	18	8	5	14	16	17	17	11					
h'E	MED							U 118	109	105	105	105	105	105	105	105	106	110	112	118					
	CNT							20	30	29	28	28	27	29	27	26	24	22	23	6					
foEs	MEO	4	3	4	4	28	18	D 20	24	30	32	36	36	37	36	34	30	0 27	25	21	25	27	36	28	
	CNT					5	15	30	29	30	280	28	28	29	28	30	30	30	30	30	12	11	5	6	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1963

TABLE 9

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 28	U 28	U 26	U 24	U 23	U 25	38	47	50	51	50	52	52	53	54	56	55	56	58	60	57	43	U 37	U 32
	CNT	18	18	18	18	13	21	24	25	26	26	26	26	25	27	28	27	24	23	25	25	23	23	21	18
	UQ	32	30	28	26	24	28	43	50	53	56	55	56	56	60	62	63	58	65	66	68	60	48	41	36
	LQ	25	24	23	22	20	24	36	42	46	46	45	46	48	50	52	50	51	52	53	54	51	42	33	30
h'F2	MED								286	298	306		354	362	358	344	327	310	281	277					
	CNT							1	25	26	28		28	24	28	28	26	25	24	11					
	UQ								315	320	384		444	444	402	364	360	349	310	280					
	LQ								256	278	290		320	328	322	328	310	300	270	263					
h'F	MED	E 292	E 290	F 290	F 300	E 290	F 264	238	228	213	208	200	200	202	200	213	220	228	234	248	238	230	240	E 270	E 280
	CNT	26	24	23	23	18	22	27	29	29	29	27	27	24	29	27	26	23	24	26	27	27	28	28	28
	UQ	305	310	309	315	320	290	243	234	220	213	208	204	216	229	220	230	240	239	252	248	240	259	280	299
	LQ	280	280	288	280	280	249	233	220	206	202	190	188	190	194	208	216	220	230	240	229	222	230	250	272
M(3000)F2	MED	300	300	305	312	U 310	320	340	335	330	330	320	310	300	305	302	310	315	318	320	320	320	315	305	300
	CNT	15	11	14	18	13	18	27	27	29	28	27	28	25	29	38	26	25	26	28	27	25	24	19	18
	UQ	315	305	310	315	328	325	350	350	340	340	330	325	315	315	310	310	320	325	330	325	330	320	315	300
	LQ	295	290	300	305	292	305	330	320	318	308	290	275	272	290	300	300	300	310	312	310	310	305	300	295
fo F1	MED								365	400	420	430	440	435	440	430	420	390	355						
	CNT								6	16	23	24	25	22	26	27	21	14	6						
fo E	MED								U 240	U 275	U 300	U 310	U 320	U 320	U 322	U 320	300	265	U 235						
	CNT							4	11	11	15	12	11	9	16	16	18	6	5	2					
h'E	MED							E 126	112	110	109	108	109	108	108	109	110	110	115	E 129					
	CNT							6	28	28	29	28	27	24	27	25	24	25	25	5					
fo Es	MED							E 22	U 24	U 28	30	31	U 32	32	U 32	U 32	30	29	26	D 21					
	CNT	2		1	1	2	1	9	26	27	280	27	27	23	26	26	25	25	24	16	4	2	4	2	1

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1963

TABLE 10

WASHINGTON, D.C. (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	30	28	27	27	25	25	36	46	51	54	52	53	54	53	56	58	56	58	60	64	58	45	38	32
	CNT	27	27	27	25	27	29	30	30	30	30	30	30	30	30	30	30	30	29	30	30	29	29	28	29
	UQ	33	32	30	28	26	27	42	51	57	56	57	58	60	63	62	65	65	64	64	70	64	50	40	36
	LQ	27	25	24	22	23	22	35	43	45	46	46	47	48	50	52	52	52	52	53	55	50	40	32	29
h'F2	MED								260	280	300	310	340	360	350	340	320	308	280	260					
	CNT							3	24	27	28	29	28	29	30	30	29	30	27	24					
	UQ								290	310	342	408	432	416	400	370	345	320	300	268					
	LQ								252	260	280	295	310	318	320	310	300	290	270	250					
h'F	MED	F 280	F 280	E 280	E 280	E 275	F 270	240	225	210	202	200	200	200	205	210	220	222	230	240	235	U 220	U 228	U 250	E 272
	CNT	30	29	29	30	29	30	30	30	30	30	30	30	30	30	30	30	28	29	30	30	30	30	29	30
	UQ	290	300	300	295	300	280	245	230	215	205	205	205	210	215	220	225	232	238	250	240	230	240	260	285
	LQ	270	262	265	260	260	250	230	215	205	200	190	185	190	190	200	210	215	222	230	230	220	220	240	255
M(3000)F2	MED	298	300	300	300	300	335	340	342	335	328	320	310	305	302	305	310	320	325	320	320	325	315	305	300
	CNT	26	35	25	23	23	28	30	30	30	30	29	29	30	30	30	30	30	29	30	29	29	28	27	27
	UQ	300	302	300	310	305	318	340	350	350	340	332	328	320	310	315	320	320	330	325	328	330	330	325	305
	LQ	290	292	290	300	290	300	325	330	320	310	290	270	290	285	295	300	305	310	315	320	320	310	300	290
fo F1	MED								3	390	410	430	440	440	440	430	420	400	370						
	CNT									19	30	33	29	26	30	28	24	17	6						
fo E	MED							172	225	260	290	U 310	320	U 320	320	315	300	272	240	U 180					
	CNT							10	23	20	24	23	24	27	29	28	29	28	24	12					
h'E	MED							E 125	111	109	105	105	105	105	105	105	105	109	111	E 121					
	CNT							12	29	29	30	30	30	30	30	30	30	30	29	20					
fo Es	MED				22	18	29	17	23	27	30	32	32	U 32	32	34	31	30	27	21	22	31	30	30	27
	CNT	3	4	4	6	6	5	24	29	30	300	29	30	30	30	30	30	30	30	30	9	5	5	7	7

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1963

TABLE 11

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	36	37	36	35	33	32	44	52	58	57	57	60	66	70	70	70	68	65	66	60	52	39	38	37
	CNT	25	24	24	26	27	25	27	27	29	30	30	29	29	30	29	27	29	29	29	29	28	27	27	27
	UQ	39	38	38	39	36	38	48	59	66	61	62	68	74	73	82	76	74	69	69	66	58	45	42	41
	LQ	34	33	33	32	31	30	40	50	52	50	53	56	62	66	66	64	61	58	59	54	44	36	34	33
h'F2	MED								260	272	299	324	330	322	310	300	290	270	255						
	CNT							1	20	28	27	28	28	29	30	29	27	30	26	4					
	UQ								270	288	340	378	349	344	325	310	298	284	260						
	LQ								250	260	280	305	308	302	300	295	273	262	250						
h'F	MED	E 280	E 280	280	280	265	259	260	239	220	210	200	194	190	195	200	205	210	215	220	234	220	E 245	E 270	E 280
	CNT	27	27	27	27	27	27	27	27	27	29	30	30	26	29	29	29	27	30	30	30	29	28	26	27
	UQ	300	285	290	270	270	280	245	230	216	208	203	200	203	208	220	219	232	230	240	230	230	265	290	300
	LQ	270	270	270	255	250	250	230	213	204	198	186	185	182	188	200	205	210	210	220	210	210	230	265	262
M(3000)F2	MED	300	305	305	312	315	315	345	350	349	330	305	305	305	310	315	325	330	335	340	345	340	310	300	305
	CNT	25	23	23	24	25	24	27	27	28	29	29	29	29	30	29	27	29	29	27	28	28	25	26	25
	UQ	310	310	315	322	322	320	350	355	352	340	320	315	315	315	320	335	340	348	350	350	350	320	310	312
	LQ	295	300	300	302	305	305	325	335	338	312	290	295	295	305	310	315	322	335	340	332	330	298	300	300
fo F1	MED								U 370	405	430	440	450	450	450	440	420	405							
	CNT								5	20	26	28	28	29	29	29	24	22	4						
fo E	MED							U 192	240	U 275	U 300	U 325	340	340	340	330	310	U 285	U 240						
	CNT							8	7	12	12	9	11	16	17	10	11	15	13	2					
h'E	MED							E 138	110	105	100	104	100	105	105	105	105	109	110	E 130					
	CNT							8	27	29	29	29	28	27	29	29	27	28	26	7					
fo Es	MED	30		38	26			U 39	D 25	30	33	33	35	D 34	35	33	33	30	28	24	32	26			
	CNT	6	4	6	6	4	1	15	27	29	300	30	28	29	30	29	27	30	30	26	8	10	4	4	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1963

TABLE 12

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	39	38	38	38	34	34	42	56	57	58	58	66	72	74	71	74	74	76	76	72	58	43	39	39
	CNT	27	30	30	30	30	28	30	30	30	29	28	29	29	29	30	30	28	30	29	30	29	28	26	29
	UD	42	41	40	40	40	40	49	60	80	82	83	84	80	82	83	81	80	80	83	81	64	49	43	42
	LQ	33	33	33	33	32	32	40	52	54	53	54	56	60	63	62	64	69	70	69	64	52	40	35	32
h'F2	MED								240	252	274	324	330	319	306	304	297	279	266	250					
	CNT							3	21	23	26	24	29	29	29	30	30	28	30	18					
	UD								261	280	307	365	359	360	336	321	313	292	271	257					
	LD								233	240	263	293	313	298	296	297	280	270	255	235					
h'F	MED	E 280	E 280	262	241	E 250	249	E 232	223	210	197	190	192	E 208	218	220	220	224	232	237	219	E 212	E 240	E 280	E 288
	CNT	29	30	30	30	30	30	30	28	30	29	27	28	28	27	27	28	24	23	25	29	29	29	27	29
	UQ	290	290	280	260	260	260	242	228	221	205	200	230	230	230	240	233	236	245	241	226	230	262	300	299
	LD	265	260	250	240	239	230	225	212	201	190	187	184	185	202	212	214	218	226	230	212	205	230	270	274
M(3000)F2	MED	300	300	310	315	320	320	340	350	345	330	315	305	310	310	310	310	320	328	340	345	335	312	290	298
	CNT	26	29	30	29	29	28	30	30	30	29	28	29	29	29	30	29	28	28	23	24	27	28	25	28
	UQ	305	308	320	320	320	330	350	360	355	348	330	315	315	318	320	325	332	340	345	350	340	322	295	300
	LQ	295	292	300	310	305	310	325	340	335	308	300	298	290	300	300	308	310	320	330	332	310	292	290	290
fo F1	MED									U 400	430	440	450	450	450	450	430	400							
	CNT									5	9	17	25	27	27	27	27	13	4						
fo E	MED								D 212	D 255	D 260	D 278	D 295	D 340	D 340	U 335	U 315	D 285	D 240	D 180					
	CNT								24	26	23	22	18	17	22	21	29	26	27	10					
h'E	MED								E 111	108	106	105	105	106	108	108	107	E 109	110	E 128					
	CNT							7	27	29	30	29	27	26	27	28	30	30	29	8					
fo Es	MED	31	29	20	13		18	19	23	D 27	32	D 32	36	38	38	37	35	34	31	27	36	37	46	32	32
	CNT	15	14	15	18	18	9	15	30	30	300	30	30	30	29	30	30	30	30	30	21	20	14	18	14

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1963

TABLE 13

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 41	U 39	U 37	U 42	29		U 36	54	62	67	77	84	96	110	118	118	U 110	U 110	104	94	D 50	45	D 39	D 40
	CNT	6	9	6	14	11	4	7	16	18	17	15	16	16	15	14	13	13	13	14	15	14	7	6	6
	UQ	43	43	45	47	36		39	58	66	74	78	95	104	118	128	130	124	121	113	104	75	55	41	40
	LQ	39	36	35	39	24		35	53	60	64	72	79	90	100	113	108	94	94	95	83	54	40	38	39
h'F2	MED									230	240	284	295	300	280	260	252	250	239	220					
	CNT									15	23	27	27	27	27	27	26	28	28	24					
	UQ									252	270	308	339	331	300	280	276	270	250	230					
	LQ									219	250	262	280	280	264	251	241	239	230	210					
h'F	MED	E 295	E 300	E 260	E 220	E 220	E 256	E 229	212	210	E 210	200	E 200	E 203	E 230	205	E 210	200	E 220	220	202	200	E 232	E 310	E 310
	CNT	14	19	19	26	18	11	16	28	25	25	23	23	19	20	25	23	23	22	22	27	24	22	16	14
	UQ	310	310	280	230	231	300	240	223	220	230	210	230	230	261	218	230	220	235	230	219	215	265	330	340
	LQ	280	260	239	210	210	230	221	208	206	201	190	190	178	190	194	190	185	210	212	200	194	219	294	310
M(3000)F2	MED		U 318		U 360	U 355		U 348	385	370	350	335	320	325	330	335	338	U 340	350	365	375	370		U 310	
	CNT	3	6	3	10	6	4	6	13	18	17	15	15	15	13	12	12	12	8	12	11	11	4	5	4
	UQ		335		380	385		355	390	380	360	340	330	330	340	342	348	345	355	372	380	380		310	
	LQ		310		355	345		340	370	365	340	315	310	310	325	330	335	332	340	360	360	365		290	
foF1	MED												460	460	460	450									
	CNT											3	7	10	9	7	2	1							
foE	MED										1		1			1		3							
	CNT																								
h'E	MED									E 114	100	108	101	104	106	110		E 110							
	CNT									6	5	9	8	7	6	9	4	8	4						
foEs	MED								26	32	35	38	41	43	44	40	E 38	34	48	36	40	42			
	CNT				1	1			5	10	160	11	13	13	12	14	12	11	9	8	6	6	3	3	2

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1963

TABLE 14

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	D 40	39	33	28	28	36	57	86	72	77	86	100	114	115	108	102	106	105	95	70	45	38	40
	CNT	27	27	27	29	30	28	30	30	29	28	30	30	30	30	30	30	30	29	29	29	27	28	27	26
	UQ	47	47	45	38	33	33	39	59	70	79	84	93	104	121	124	115	116	117	118	105	80	56	48	45
	LQ	36	37	33	26	22	24	29	55	63	67	69	79	93	105	109	95	78	88	91	78	49	39	34	35
h'F2	MED								235	265	E 285	320	360	355	310	290	282	290	270	245					
	CNT								8	17	22	27	29	30	30	30	30	29	29	26	1				
	UQ								252	278	300	340	330	370	340	315	305	300	285	260					
	LQ								232	260	275	300	342	330	295	270	270	270	260	240					
h'F	MED	E 270	250	240	232	262	270	255	230	225	220	205	200	195	E 200	220	222	220	225	238	220	220	E 235	E 272	E 295
	CNT	29	29	29	28	26	29	30	29	27	21	22	23	25	19	19	20	16	15	14	27	25	21	20	24
	UQ	298	268	250	245	285	290	265	235	230	220	210	205	215	230	240	232	228	230	240	225	242	255	300	318
	LQ	248	238	225	208	245	248	235	225	220	208	200	190	185	185	215	210	215	225	230	215	205	215	242	280
M(3000)F2	MED	315	330	338	335	305	315	325	350	340	315	288	275	290	308	320	318	315	330	345	358	340	320	300	300
	CNT	22	24	26	28	28	27	29	30	29	28	30	30	29	30	30	30	30	29	29	28	27	27	25	24
	UQ	330	342	355	355	312	325	340	360	340	338	310	290	298	315	330	325	325	335	355	368	360	345	310	305
	LQ	300	312	330	322	292	295	310	340	325	300	275	270	280	295	310	305	305	320	332	350	330	300	285	288
foF1	MED											450	470	460	460	450	445	415							
	CNT											1	11	19	22	22	23	14	6						
foE	MED								U 205	U 260	D 295	U 318	U 338	U 340	U 340	U 335	U 330	300	260	190					
	CNT					2	1	4	15	18	17	10	8	6	8	9	9	14	21	15					
h'E	MED							142	111	107	105	105	103	105	105	105	105	105	109	115					
	CNT					2	3	6	29	28	28	30	29	29	29	30	28	25	25	16	1				1
foEs	MED	26	22	21	20	20	20	15	24	31	36	37	38	41	40	40	39	40	36	36	29	37	38	35	36
	CNT	28	27	26	26	28	27	30	30	29	280	30	30	29	30	30	30	30	30	30	30	30	30	29	29

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. APRIL, 1963

TABLE 15

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	33	33	35	36	24	30	54	62	71	72	75	82	78	76	72	73	69	55	41	40	37	35	35
	CNT	26	27	28	28	28	28	29	29	30	30	30	30	29	29	29	29	29	30	28	26	29	29	27	29
	UQ	37	36	36	37	38	28	34	57	68	77	84	83	86	86	82	80	80	74	64	43	43	40	37	37
	LQ	30	31	30	32	32	20	26	51	58	63	64	66	73	72	70	68	68	60	50	35	34	32	29	30
h'F2	MED									230	240	245	250	250	250	250	250	235	230						
	CNT								1	7	25	28	29	29	28	25	27	27	7						
	UQ									235	250	250	260	260	260	260	255	240	240						
	LQ									220	230	238	240	240	240	248	240	230	225						
h'F	MED	295	295	270	250	220	245	250	220	220	220	210	E 208	190	185	220	230	235	220	210	E 230	260	260	290	305
	CNT	29	29	29	29	28	28	29	29	30	30	27	26	25	23	24	22	19	28	28	27	29	29	29	29
	UQ	310	320	298	265	240	292	268	220	225	230	220	230	205	225	240	240	240	230	220	250	278	280	310	328
	LQ	280	275	260	240	205	210	240	210	220	210	210	195	180	180	192	220	230	220	210	220	242	240	270	282
M(3000)F2	MED	300	300	308	325	370	310	320	370	370	365	360	350	350	350	345	355	365	370	362	320	310	310	300	290
	CNT	25	27	28	28	28	28	29	29	30	30	30	30	29	29	29	29	29	30	28	26	29	29	27	29
	UQ	310	305	320	345	380	335	330	378	375	370	370	365	360	362	360	360	368	375	370	335	320	322	310	302
	LQ	290	290	300	312	352	295	310	362	355	350	355	340	340	340	340	350	355	360	350	300	300	292	285	272
foF1	MED												1		1										
	CNT																								
foE	MED								192	250	280	290	305	310	315	300	U 270	232							
	CNT							3	12	25	20	18	12	10	7	9	7	8	3						
h'E	MED								E 120	108	108	107	106	106	108	110	110	116							
	CNT							4	17	29	28	30	29	27	25	20	17	15	2						
foEs	MED	29	27	29	22	20	20	19	21	28	34	36	38	40	41	41	44	38	34	29	37	27	26	25	29
	CNT	22	23	21	27	22	22	16	28	30	300	30	30	29	28	29	29	30	27	23	16	17	14	11	15

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. APRIL, 1963

TABLE 16

THULE, GREENLAND (76.4N, 68.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 31	U 33	U 30	U 32	U 32	U 33	U 34	U 35	U 38	U 38	U 39	U 44	U 44	U 42	U 42	U 42	U 42	U 40	U 39	U 37	U 35	U 33	U 32	U 30
	CNT	8	9	15	9	12	15	16	24	24	26	17	18	20	22	18	26	24	25	17	19	14	13	12	7
	UQ	36	40	39	36	38	37	38	37	41	43	42	46	46	45	44	45	46	46	44	40	38	38	34	32
	LQ	25	30	25	24	27	30	29	33	34	35	38	38	42	39	38	39	37	38	36	33	34	26	22	29
h'F2	MED									288	270	260	280	289	314	U 279	284								
	CNT									6	6	6	12	13	10	12	8	4							
	UQ									305	290	280	312	336	350	298	299								
	LQ									268	265	245	250	266	302	262	255								
h'F	MED	240	240	236	238	234	E 239	230	230	227	226	220	220	220	220	220	225	230	230	238	240	234	238	235	232
	CNT	30	30	31	30	30	30	31	30	30	30	28	30	31	31	30	31	31	31	31	31	30	30	31	31
	UQ	250	250	250	249	250	250	240	235	232	230	230	230	230	230	230	235	235	240	250	248	240	250	250	253
	LQ	230	230	225	230	230	225	229	220	219	217	210	212	200	210	210	220	220	225	232	230	228	230	229	223
M(3000)F2	MED	U 315	U 315	U 310	U 318	U 310	U 320	U 322	U 332	U 332	U 330	U 330	U 320	U 322	U 315	U 315	U 325	U 325	U 325	U 320	U 312	U 305	U 305	U 300	
	CNT	7	7	12	6	7	10	12	18	18	23	14	13	14	16	16	19	22	21	15	16	10	7	9	3
	UQ	320	320	315	320	320	325	330	340	350	335	340	340	335	330	325	335	330	330	325	320	315	310	308	
	LQ	295	280	300	315	300	305	308	325	320	325	310	315	315	310	305	315	320	320	310	305	305	295	282	
foF1	MED														U 325										
	CNT												2	2	8	1									
foE	MED								U 170	U 180	198	210	210	210	205	200	182	U 175	U 158						
	CNT						2	3	9	14	20	22	27	20	27	22	20	14	6	1	1				
h'E	MED						E 128	122	121	120	118	118	118	120	120	120	E 124	122	125	E 121	125				
	CNT					1	9	16	22	21	22	23	29	28	29	29	24	18	15	10	7	2			
foEs	MED	32	43	36	36	34	29	22	18	19	21	21	21	21	21	20	21	20	20	30	35	35	37	32	32
	CNT	22	21	23	23	20	19	26	27	29	300	28	31	31	31	31	31	29	26	26	25	23	25	23	28

SWEEP 0.25 MC TO 20.0 MC IN 3 MINUTES 36 SECONDS. MARCH, 1963

TABLE 17

BARROW, ALASKA 71.3N, 156.8W1 TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED			U 34	U 23			U 27	34	38	40	42	43	46	46	47	47	47	47	46	42	U 35	U 29		
	CNT	2	4	5	5	3	4	7	14	15	22	24	26	27	28	27	28	29	30	28	25	19	7	4	3
	UQ			42	35			34	35	39	41	44	46	49	48	50	52	52	51	48	46	39	35		
	LQ			33	21			26	30	35	36	40	41	43	43	45	44	44	45	43	36	27	25		
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																					U 330	U 330		
	CNT	1	1	3	3	2	3	4	305	325	325	325	315	325	325	325	330	340	340	335	335	330	16	3	2
	UQ								322	335	332	335	335	335	340	340	345	350	345	340	345	335	335		
	LQ								302	310	310	310	305	315	312	315	320	330	325	330	320	320	310		
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED	56	57	52	40	34	36	34	37	40	35	28	15	20	21	18	17	18	22	20	24	30	30	33	39
	CNT	31	31	29	28	29	28	26	29	28	290	28	25	24	22	20	25	25	22	26	24	27	31	31	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 18

COLLEGE (EAIRBANKS), ALASKA 64.9N, 147.8W1 TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED				U 27	U 27	U 29	U 30	35	38	42	46	46	49	48	47	48	40	46	44	38	U 32	U 25	U 22	U 19
	CNT	3	3		5	7	6	14	22	24	26	25	24	23	26	27	30	29	28	29	27	23	18	9	9
	UQ				28	30	30	33	36	40	45	49	50	57	53	54	54	56	50	47	42	35	29	23	24
	LQ				22	25	24	27	30	36	39	42	43	44	44	44	45	45	45	42	35	28	22	17	16
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED							U 330	322													U 330	U 325	U 315	U 315
	CNT	2	2		4	4	3	11	20	328	322	315	325	320	328	335	338	340	345	340	335	18	13	6	5
	UQ							335	335	335	330	338	335	340	340	350	350	350	350	348	340	340	332	325	322
	LQ							300	312	300	300	295	300	305	310	320	325	335	340	332	325	320	315	285	305
fo Fi	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED	40	35	38	38	31	32	17	E 12	17	E 12	18	20	21	16	15	19	13	13						29
	CNT	22	20	22	22	17	17	19	22	14	220	24	20	21	19	21	21	20	17	17	21	26	26	27	27

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MARCH, 1963

TABLE 19

REYKJAVIK, ICELAND 64.1N, 21.8W1 TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 19	D 18	18	D 16	15	18	U 24	32	37	41	44	47	47	48	48	48	48	46	U 45	U 46	41	32	D 21	
	CNT	7	6	7	10	10	15	20	24	27	28	28	27	28	28	29	28	28	29	28	15	7	10	6	4
	UQ	30	23	18	20	17	24	26	34	40	44	46	49	50	50	51	50	50	50	48	49	45	35	28	
	LQ	17	14				13	20	30	35	40	41	44	46	46	44	44	44	42	40	39	17	28	18	
h'F2	MED										290	300	305	300	290	312	300								
	CNT										6	13	16	21	23	16	10	2	2						
	UQ										320	345	325	330	310	350	330								
	LQ										235	272	278	270	270	290	275								
h'F	MED	E 300	E 350	E 350	350	E 325	270	250	238	222	210	205	205	210	215	220		230	240	250	250	245	250	E 300	E 315
	CNT	6	6	7	8	9	14	19	22	26	26	27	26	27	27	27	25	26	28	28	22	15	15	10	8
	UQ	370	400			400	280	260	250	230	230	230	220	220	210	235	230	240	255	260	260	260	310	320	370
	LQ	270	320	330	315	335	300	250	240	230	220	200	200	200	200	200	215	220	235	240	240	230	245	260	250
M(3000)F2	MED					U 300	U 320	332	335	330	330	335	320	320	328	325	322	322	330	U 320	U 320				
	CNT	1		2	1	2 6	17	22	25	26	28	25	27	28	29	26	26	27	21	6	3	2	1		
	UQ					310	322	340	340	350	345	345	335	335	330	330	330	330	330	330	320				
	LQ					290	308	325	330	320	315	315	310	310	310	310	310	315	320	315	310				
fo F1	MED												U 360	U 380	U 370	370									
	CNT										1	4	7	9	7	6	4								
fo E	MED							U 162		D 180	D 195	238	255	D 250	255	255	240	D 180	D 180	168					
	CNT							3 8		15	14	17	14	19	16	18	16	15	15	10					
h'E	MED							121		121	117	117	115	E 117	113	117	117	119	119	128					
	CNT							3 7		17	14	12	14	18	15	18	17	15	15	12					
fo Es	MED	34	31	30	36	31	E 17	U 12	16	18	20	24	26	25	26	26	24	18	18	17	30	32	35	46	36
	CNT	24	23	20	20	13	11	14	14	19	210	17	21	21	17	22	21	23	23	23	15	15	21	16	19

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. MARCH, 1963

TABLE 20

NARSSARSSUAQ, GREENLAND 61.2N, 45.4W1 TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	20				U 18	U 18	27	36	40	44	46	48	48	49	51	50	50	50	48	U 42	U 34	U 30	U 31	U 26
	CNT	6	3	3	4	7	9	19	24	30	28	29	30	30	30	29	26	27	25	20	14	10	16	7	6
	UQ	24				23	21	30	38	42	45	48	50	52	53	53	54	53	52	53	50	45	35	31	30
	LQ	18				15	16	25	34	39	42	43	45	45	46	47	47	47	41	38	32	28	28	28	23
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED	40	36	37	38	32	34	14	18	18	17	18	22	18	18	20	18	19	22	29	33	36	32	41	37
	CNT	26	26	26	25	21	16	17	20	25	230	23	24	28	27	28	27	28	29	26	25	24	24	27	25

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. MARCH, 1963

TABLE 21

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 16	U 18	U 24	U 23		U 20	U 27	34	39	43	46	50	51	53	54	51	51	49	45	40	U 32	24	22	U 18
	CNT	10	8	9	5	3	10	21	27	29	29	29	29	27	28	28	30	31	30	30	30	28	26	17	13
	UQ	20	24	28	27		23	30	37	43	48	50	54	56	60	60	59	58	53	47	41	36	28	23	18
	LQ	16	14	18	20		17	25	31	37	40	40	44	46	48	48	47	46	48	44	38	28	23	19	17
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 305			U 280		U 295	U 320	325	325	320	312	325	322	335	335	340	350	350	340	330	U 320	U 320	U 310	U 315
	CNT	5	4	3	4	3	5	18	27	29	28	28	28	26	27	28	30	31	30	30	29	28	23	13	9
	UQ	312			288		300	330	340	338	345	340	338	340	345	350	350	355	350	345	340	330	330	320	315
	LQ	295			272		285	320	305	310	278	272	302	305	325	330	330	340	340	335	322	315	310	307	309
foF1	MED									U 330	360	U 370	380	U 390	385	U 370									
	CNT								2	6	12	17	16	16	12	6	1								
foE	MED								U 180	210	235	250	270	270	270	268	240	225	195						
	CNT						1	3	13	21	19	22	19	17	18	16	21	23	21	2					
h'E	MED							123	120	114	111	109	109	109	109	109	115	115	123						
	CNT						1	9	20	28	28	29	29	26	25	19	23	25	23	3					
foEs	MED	23	26	40	29	26	25	15	18	21	24	35	27	27	27	27	24	23	20	15					
	CNT	12	10	5	7	11	10	12	24	28	280	29	29	27	25	20	24	26	26	13	8	16	18	20	17

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MARCH, 1963

TABLE 22

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	31	32	32	31	33	37	50	55	58	63	66	68	70	65	62	59	55	49	41	30	35	32	32
	CNT	25	25	26	26	25	26	25	27	27	27	25	26	26	26	26	27	27	27	27	27	26	27	26	27
	UQ	39	36	36	36	36	38	44	54	56	63	68	70	73	73	68	66	62	57	50	46	44	43	41	38
	LQ	27	27	27	27	28	27	32	46	48	55	59	62	66	65	63	59	57	52	45	40	34	28	27	26
h'F2	MED									264	259	266	264	269	249	250	240	237							
	CNT								4	12	22	25	28	27	28	26	18	8							
	UQ									310	280	290	282	273	246	258	256	240							
	LQ									230	235	234	252	250	240	235	234	230							
h'F	MED	262	265	U 270	F 270	U 270	U 256	235	220	213	209	204	190	200	190	203	210	220	220	215	225	230	231	234	250
	CNT	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	30
	UQ	275	275	275	280	276	270	245	230	220	215	209	202	205	202	210	219	225	229	220	230	240	240	250	260
	LQ	241	255	260	260	259	239	220	214	210	195	198	185	180	183	188	200	215	215	210	220	215	225	230	240
M(3000)F2	MED	310	305	305	302	300	308	330	355	355	350	340	340	345	345	350	350	355	355	345	335	330	325	315	315
	CNT	25	24	26	26	25	26	25	27	26	27	25	26	26	26	26	27	27	27	27	27	26	27	26	27
	UQ	318	310	310	305	308	315	342	370	365	360	360	355	350	350	350	360	360	360	350	340	345	330	330	325
	LQ	300	295	295	290	295	295	322	360	340	340	325	330	335	340	340	340	345	350	340	325	320	315	305	310
foF1	MED								2	3	4	400	400	410											
	CNT											9	6	8	3	1									
foE	MED							150	200	240	U 270	290	295	295	295	278	260	230	U 185						
	CNT							9	20	23	17	14	17	18	21	24	27	26	19	4					
h'E	MED							3	115	107	105	105	104	104	105	105	110	110	120						
	CNT								25	29	28	29	28	30	30	27	26	26	22	2					
foEs	MED						17	15	20	24	29	32	31	30	30	28	26	24	19	16	19	14	15	15	
	CNT	1	3	3	3	3	5	19	28	29	290	28	27	29	28	29	30	30	28	19	8	4	5	7	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 23

WASHINGTON, D.C. (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	18	17	18	19	20	21	22	23
foF2	MED	29	28	28	30	28	29	32	47	56	57	60	62	66	67	65	64	64	64	61	54	43	39	34	31
	CNT	31	30	30	28	28	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ	32	30	30	32	32	32	36	50	58	62	62	65	68	69	67	67	66	67	64	57	49	42	37	33
	LQ	26	26	27	28	27	25	28	44	53	54	57	58	63	62	62	60	60	60	56	49	42	36	31	28
h'F2	MED								230	235	250	270	290	285	280	280	280	265	245	230					
	CNT								11	21	27	29	29	31	31	31	29	30	29	5					
	UQ								240	245	265	300	302	310	300	300	285	275	250	242					
	LQ								220	230	240	252	280	270	270	270	270	255	240	225					
h'F	MED	F 270	U 270	U 270	U 260	U 260	U 250	240	225	215	210	200	185	180	195	200	210	215	230	225	U 215	U 220	U 240	U 250	U 260
	CNT	31	31	31	31	31	31	31	31	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ	280	285	280	275	270	260	245	230	220	210	205	195	200	200	205	210	225	230	230	220	230	245	260	265
	LQ	260	265	260	255	250	240	230	215	210	200	185	180	175	180	190	200	210	225	220	210	220	230	240	250
M(3000)F2	MED	300	300	300	300	305	310	330	355	355	350	340	325	325	325	330	330	330	335	340	335	320	320	310	310
	CNT	30	28	29	27	28	29	28	31	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31	30
	UQ	310	310	308	310	312	320	338	360	360	355	350	330	335	330	330	335	335	340	345	340	330	320	320	320
	LQ	300	298	295	300	300	310	320	345	345	340	325	320	315	310	320	325	330	330	335	325	315	315	305	305
foF1	MED											425	430	440	430	430	400								
	CNT										3	10	16	17	18	16	7								
foE	MED								188	240	270	290	305	315	312	300	290	260	220	170					
	CNT								24	27	26	29	28	28	30	30	29	30	27	6					
h'E	MED								119	109	105	105	105	105	105	107	109	109	115						
	CNT								25	29	30	31	31	31	31	31	30	31	30	2					
foEs	MED								19	D 24	29	29	31	32	31	30	29	26	22	17			24		
	CNT	1	3	4	3	3	2	1	31	29	300	31	31	31	31	31	31	31	31	23	1	2	5	3	

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 24

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	35	36	36	34	33	37	56	63	64	63	67	71	78	75	72	70	68	65	51	34	31	33	35
	CNT	29	26	27	26	28	27	29	30	31	29	29	31	31	31	31	30	31	30	31	31	30	31	27	29
	UQ	36	36	37	37	36	36	40	58	65	72	69	71	79	82	81	75	72	72	69	55	37	34	34	36
	LQ	33	33	33	34	31	32	33	53	60	61	60	63	68	72	71	68	65	63	62	47	32	30	32	34
h'F2	MED								2	255	262	280	286	289	288	272	271	260	240						
	CNT									29	27	27	31	30	31	30	30	26	12						
	UQ									261	270	309	306	296	298	287	278	265	248						
	LQ									240	255	269	270	279	273	268	269	257	236						
h'F	MED	E 265	264	270	260	254	E 269	245	230	214	204	200	190	200	198	200	214	218	228	217	210	E 225	F 275	F 270	265
	CNT	31	30	30	30	30	29	30	30	31	29	29	31	31	30	31	30	30	31	31	31	30	31	28	30
	UQ	280	270	280	270	269	272	253	234	222	216	201	200	210	210	225	227	225	235	221	213	230	290	288	280
	LQ	255	260	260	250	240	250	239	220	207	200	189	180	178	180	190	204	212	220	210	205	215	250	262	260
M(3000)F2	MED	315	315	310	315	318	310	328	355	350	350	335	325	325	325	330	335	340	350	360	360	340	305	310	310
	CNT	27	26	26	26	26	25	28	29	31	29	29	31	31	31	31	30	31	30	29	31	30	31	27	27
	UQ	320	320	315	320	330	328	335	360	360	355	348	340	330	330	335	340	345	360	365	355	350	320	315	315
	LQ	305	305	305	310	310	300	320	345	345	340	320	310	315	320	325	330	335	345	350	350	330	300	305	305
foF1	MED																								
	CNT									4	11	20	28	29	28	24	19	5							
foE	MED								210	260	295	310	330	335	335	325	310	280	U 230						
	CNT								15	15	11	13	14	19	21	24	25	21	9						
h'E	MED								F 120	108	105	104	105	105	105	108	109	110	114						
	CNT								26	30	29	29	30	30	27	26	27	29	28	3					
foEs	MED	29	30	30	26	30	31		21	28	31	32	34	36	34	34	32	30	28	22	29	33	31	33	29
	CNT	10	8	6	6	7	6	2	28	31	280	29	31	31	31	31	30	31	31	22	16	15	13	11	11

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 25

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	36	36	37	36	35	36	52	58	64	66	66	73	81	80	80	76	73	72	56	44	33	34	36
	CNT	26	25	25	25	24	23	22	26	26	25	26	26	25	27	25	25	26	27	27	27	25	22	23	23
	UQ	38	40	40	42	39	37	38	56	62	67	70	74	79	84	90	86	79	78	74	64	51	38	38	38
	LQ	34	34	34	35	34	32	33	51	56	62	65	63	68	73	76	73	70	70	65	49	36	31	32	34
h'F2	MED									239	260	278	296	298	290	280	270	260	241						
	CNT								2	8	19	36	24	35	37	35	35	36	33						
	UQ									244	275	290	311	317	310	288	280	268	250						
	LQ									236	241	268	288	283	280	274	245	250	238						
h'F	MED	E 265	265	250	240	234	240	233	219	208	203	197	190	184	200	E 215	E 221	225	228	220	210	215	F 242	F 272	F 268
	CNT	26	26	26	26	26	25	25	26	26	27	26	26	24	24	25	24	24	22	27	27	35	22	24	24
	UQ	272	271	261	250	250	257	250	228	218	209	202	200	200	215	230	240	238	238	235	217	220	247	282	278
	LQ	259	255	240	233	224	229	226	210	199	198	190	193	180	184	198	212	210	218	212	205	204	230	268	268
M(3000)F2	MED	305	310	310	325	322	315	320	350	350	340	340	315	315	320	320	325	335	345	350	345	335	300	300	305
	CNT	26	23	25	24	24	23	22	26	26	25	26	25	25	27	25	22	26	27	24	26	25	22	23	23
	UQ	310	310	320	330	332	330	335	360	355	350	345	328	320	325	330	335	345	350	355	350	345	310	300	310
	LQ	300	300	305	315	312	305	310	345	340	330	320	310	300	310	310	320	330	335	345	335	320	290	295	300
foF1	MED											440	450	450	450	440	430								
	CNT											11	17	22	19	15	19	3							
foE	MED								195	D 250	D 280	D 300	320	D 320	330	330	310	280	D 230	170					
	CNT								24	22	21	23	17	15	18	17	22	24	35	6					
h'E	MED								F 120	108	105	103	103	104	103	104	105	109	110	E 120					
	CNT								23	25	25	26	26	25	24	24	25	24	26	8					
foEs	MED	23	18						20	25	D 28	D 30	32	D 32	36	35	34	32	29	21	26	26	22	24	24
	CNT	7	10	9	10	8	7	1	26	26	250	26	26	25	26	25	25	26	27	27	18	11	5	7	8

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 26

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	42	39	39	35	28	U 26	45	58	68	75	88	102	112	126	120	124	110	94	D 88	66	52	46	44
	CNT	27	25	27	27	27	19	13	30	30	31	30	29	29	30	30	31	31	31	29	30	30	30	25	23
	UD	49	47	45	45	44	30	29	49	62	72	88	100	114	138	151	145	135	125	120	101	77	58	51	50
	LD	35	36	36	35	33	25	24	42	55	64	71	81	92	102	108	105	102	90	81	71	59	45	42	36
h'F2	MED									4	259	285	289	300	291	280	262	258	242	229					
	CNT									4	19	26	29	29	30	30	31	31	30	17					
	UQ										268	305	300	311	304	291	279	263	248	236					
	LQ										244	277	273	280	284	268	293	246	233	220					
h'F	MED	E 302	F 288	260	F 253	210	F 237	F 270	230	222	210	204	192	188	200	208	218	219	231	230	212	209	E 229	E 270	E 300
	CNT	28	27	27	27	26	18	12	29	29	31	29	28	26	29	28	28	27	27	27	30	30	29	25	23
	UQ	320	300	281	274	223	248	302	235	230	222	218	208	200	217	220	234	231	240	239	224	214	258	284	320
	LQ	285	270	240	236	205	224	244	219	210	204	197	180	182	179	185	198	206	221	220	207	205	216	259	271
M(3000)F2	MED	295	305	320	330	360	338	335	350	355	340	322	310	308	310	320	320	330	340	345	350	340	320	295	300
	CNT	23	23	23	24	23	16	9	28	30	31	30	29	26	26	26	22	24	23	22	24	20	23	19	18
	UQ	305	315	330	340	380	350	340	360	365	355	335	328	320	320	325	330	340	345	355	360	352	330	315	310
	LQ	285	295	310	310	350	320	322	345	340	320	305	305	305	305	310	315	322	330	340	338	328	290	285	290
foF1	MED												450	450	U 440										
	CNT												3	14	11	9	3	3							
foE	MED											U 305	U 320			U 335		298							
	CNT									1	4	9	6	2	2	5	4	6	3						
h'E	MED										E 114	E 113	110	F 112	111	F 115	F 118	F 119	E 121						
	CNT									1	12	17	13	10	10	13	11	17	6						
foEs	MED	37	34	35	32	34	25		29	E 27	31	33	35	37	38	40	40	35	38	35	30	34	32		35
	CNT	7	8	6	12	9	7	4	7	10	250	25	24	23	27	28	29	29	26	23	20	12	8	4	9

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 27

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	18	17	18	19	20	21	22	23
foF2	MED	33	32	31	29	24	22	22	48	61	72	84	97	106	110	116	114	105	97	90	74	54	39	32	34
	CNT	28	29	29	31	31	30	29	31	31	30	30	30	30	31	31	31	31	31	31	30	31	30	30	31
	UQ	39	34	34	32	28	27	26	50	66	75	89	104	111	122	128	124	120	111	101	86	62	43	38	39
	LQ	30	30	28	27	22	20	20	45	58	66	77	89	91	98	100	102	94	85	75	58	41	35	29	29
h'F2	MED									255	280	302	300	292	305	290	280	255	245						
	CNT								1	7	17	28	30	30	31	31	31	31	30	4					
	UQ									260	288	312	320	330	320	305	290	270	255						
	LQ									245	270	290	290	280	280	280	270	255	240						
h'F	MED	240	235	235	225	230	235	265	230	215	205	200	195	195	185	192	210	225	225	225	210	212	225	E 255	272
	CNT	30	28	30	31	30	31	29	31	31	30	30	30	30	27	22	24	28	27	30	31	30	28	26	30
	UQ	270	255	250	240	240	260	278	235	225	215	210	205	200	200	230	230	232	235	235	220	220	240	270	280
	LQ	235	220	215	210	210	215	238	220	200	200	190	190	185	185	190	192	215	220	220	205	205	210	240	250
M(3000)F2	MED	330	330	340	345	335	318	310	360	345	325	305	315	305	305	315	320	330	335	355	355	350	320	305	310
	CNT	28	27	27	31	31	28	29	31	31	30	30	29	29	31	30	30	31	31	31	33	31	30	29	31
	UQ	338	355	355	370	360	342	332	365	355	335	320	320	325	315	325	330	340	350	365	360	360	345	310	330
	LQ	320	315	320	330	310	305	300	340	335	310	295	300	295	300	305	310	320	330	345	345	340	310	302	300
foF1	MED											U 450	440	460	460	450	U 450								
	CNT											7	17	22	17	20	7	3							
foE	MED								178	250	290	D 310	330	340	D 335	D 320	U 310	290	250	185					
	CNT							2	26	28	27	20	18	16	11	8	11	19	25	15					1
h'E	MED								117	109	105	105	105	103	103	103	105	105	112	121					
	CNT								24	31	30	30	30	30	31	31	26	22	20	13					1
foEs	MED	21	19	22	20	D 14	16	17	21	25	29	D 31	33	34	38	39	37	34	30	29	26	23	22	21	20
	CNT	15	15	14	15	14	20	21	30	31	290	30	30	30	31	31	30	31	31	31	31	29	27	22	18

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 28

HUANCAYO, PERU (12.05s, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	74	69	62	37	26	21	33	64	74	82	85	76	76	76	77	79	80	82	81	77	74	75	75	72
	CNT	12	15	18	19	22	21	22	26	25	26	26	26	26	27	27	27	27	27	27	27	18	19	15	13
	UD	78	71	57	42	35	34	38	66	80	88	86	83	83	84	86	90	88	88	86	81	80	84	80	82
	LD	68	59	46	31	23	16	32	62	71	79	80	74	73	71	72	74	75	77	76	71	69	72	70	69
h'F2	MED									275	308	345	360	360	360	345	330								
	CNT									6	12	19	21	26	23	15	5								
	UD									285	330	355	380	380	365	355	352								
	LD									270	300	330	350	360	350	335	320								
h'F	MED	230	220	220	235	240	250	260	230	220	210	200	220	195	195	190	190	190	200	200	200	200	195	190	190
	CNT	24	25	25	25	26	21	26	26	26	26	26	26	26	27	27	27	27	27	27	26	17	17	20	22
	UQ	248	230	230	240	255	258	265	235	220	215	205	205	200	195	190	195	200	215	255	290	302	268	250	250
	LQ	220	210	210	225	235	240	255	230	215	200	200	195	190	190	185	185	185	190	250	270	275	248	228	220
M(3000)F2	MED	330	340	350	345	342	340	310	350	330	295	260	260	260	260	260	260	265	265	275	275	285	300	305	330
	CNT	15	17	17	19	22	20	22	26	25	26	25	25	26	26	27	27	25	27	27	27	17	17	13	13
	UQ	340	350	352	350	350	350	335	355	345	315	270	265	265	265	270	270	268	275	280	285	298	312	322	335
	LQ	322	340	338	330	335	328	305	340	318	280	250	242	255	260	255	255	260	260	260	265	272	288	295	300
foF1	MED											450	460	460	450	440									
	CNT											17	20	26	24	11	1								
foE	MED								230	280	U 320	U 345	U 360	U 365	U 360	U 350	U 325	U 295	U 248	U 170					
	CNT							1	24	26	24	24	23	13	23	27	27	27	24	17					
h'E	MED								119	111	107	107	105	105	107	107	108	105	111	F 156					
	CNT							2	23	25	26	26	26	26	27	26	26	26	20	6					
foEs	MED	36	36	37	35			32	23	40	48	71	70	71	70	70	70	69	58	43	40	35	40	40	42
	CNT	16	13	17	19	18	18	11	26	26	260	26	25	26	26	27	27	25	27	27	13	9	10	15	10

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. MARCH, 1963

TABLE

THULE, GREENLAND (76.4N, 68.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 20	U 22	U 28	U 28	U 26	U 37	U 34	U 34	U 35	U 49	U 42	U 42	U 47	U 42	U 43	U 45	U 48	U 42	U 39	U 46	U 38	U 33	U 34	U 32
	CNT	9	6	9	8	10	7	8	6	4	12	15	17	17	16	14	11	14	11	9	11	7	8	6	8
	UQ	26	24	32	29	30	40	36	37		45	46	44	52	48	54	53	50	49	45	48	32	34	36	30
	LQ	21	19	21	24	21	27	22	25		34	36	38	42	38	37	42	45	41	31	34	28	28	28	25
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	265	253	E 250	259	250	233	240	235	225	229	225	222	226	225	230	221	222	230	232	242	250	250	E 265	260
	CNT	19	19	20	22	19	21	21	19	21	20	19	20	19	21	19	20	20	20	21	20	19	16	18	17
	UQ	270	275	268	280	280	256	264	265	240	242	253	236	250	235	238	232	242	248	252	262	260	265	285	272
	LQ	255	240	247	250	237	229	226	218	220	216	212	214	218	217	222	216	218	214	226	226	235	237	235	244
M(3000)F2	MED	U 310		300				U 310	U 335			U 330	342	U 335	U 330	U 330	U 320	U 325	U 315	U 320	U 315	U 330	U 310		U 310
	CNT	6	4	5	4	3	4	5	6	1	4	10	12	14	13	7	7	11	9	5	7	7	5	4	6
	UQ	320		335				322	340			340	345	345	332	345	340	330	328	335	320	335	320		325
	LQ	300		285				292	330			325	325	330	310	320	305	320	310	305	305	325	300		300
foF1	MED																								
	CNT																								
foE	MED									1		1	4	4	1										
	CNT																								
h'E	MED									1	1	1	3	3	1	1									
	CNT																								
foEs	MED	41	22	22	25		38	25	22	35	24	20	E 16	20	20	E 14	36	32	23	38	39	40	38	24	34
	CNT	14	16	14	15	13	14	14	12	15	140	15	14	16	16	10	10	10	14	14	13	15	14	14	12

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

FEBRUARY, 1963

TABLE

BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED								U 23	U 30	U 34	U 39	U 43	U 46	U 48	U 51	U 51	U 46	U 44	U 35	U 25	U 18	U 19	U 26	
	CNT	4	4	2	1	1	1	3	5	8	12	20	21	24	22	20	23	23	21	17	15	12	9	8	3
	UQ								38	34	36	44	50	52	54	56	57	50	50	46	36	22	28	28	
	LQ								20	24	32	37	42	45	46	46	47	44	38	30	22	16	14	20	
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED									312	325	338	340	340	345	350	345	340	340	338	U 340	U 315	305		
	CNT	2	2	2	1	1		1	3	6	11	18	21	24	21	20	23	21	19	16	9	8	5	4	2
	UQ									320	335	350	348	350	352	350	350	350	350	348	342	320	305		
	LQ									310	315	325	330	330	330	330	340	332	330	320	318	305	295		
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

FEBRUARY, 1963

TABLE

COLLEGE (FAIRBANKS), ALASKA (64.9N, 147.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			U 22	U 23	U 22	U 26		U 25	32	41	49	53	55	56	55	52	46	44	35	26	U 20	U 17		
	CNT	3	3	6	7	5	6	4	9	16	20	21	20	21	22	22	22	24	22	20	16	10	8		3
	UQ			33	33	28	30		26	36	44	54	58	50	59	58	57	50	47	41	30	22	18		
	LQ			20	18	18	20		22	30	40	44	50	50	52	50	49	44	39	31	20	19	14		
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED								U 310	335	345	350	352	350	345	355	350	355	350	350	342	330	318		
	CNT	3	2	3	3	1	2	1	8	16	20	20	20	21	21	21	22	24	21	18	14	5	6		1
	UQ								320	348	355	358	360	360	358	362	360	360	352	355	350	342	325		
	LQ								300	320	338	338	345	345	340	342	350	350	340	335	330	315	310		
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	33	34	22	28	20	35	28		12	13	16	22	23	21	20	18	12				12	12	30	29
	CNT	11	17	16	8	17	9	10	13	12	100	7	6	9	8	6	8	11	10	11	10	11	10	12	14

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

FEBRUARY, 1963

TABLE 32

REYKJAVIK, ICELAND (64.1N, 21.8W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 23	D 20	U 22	D 22		D 20	D 17	18	20	40	46	49	50	54	50	51	50	D 45	39	37	30	26	24	
	CNT	7	6	7	6	4	8	9	12	19	21	23	24	24	24	24	24	23	17	13	10	8	11	6	3
	UQ	27	25	27	26		24	18	18	31	41	48	53	56	57	54	54	55	49	45	43	34	30	25	
	LQ	19	17	19	19		18	16	15	24	38	44	46	48	49	46	48	45	38	32	32	28	23	20	
h'F2	MED																								
	CNT																								
	UQ												2	1	4	3	1								
	LQ																								
h'F	MED	300	300	310	315	E 305	E 320	E 292	268	240	220	215	220	220	220	225	222	230	230	230	235	250	270	E 300	E 310
	CNT	10	10	9	10	8	9	10	12	19	20	21	23	23	21	21	24	22	19	18	15	14	17	8	7
	UQ	350	330	310	340	345	355	300	305	250	230	235	250	250	235	240	245	240	235	240	260	260	322	322	375
	LQ	300	300	295	290	278	272	270	250	230	215	210	210	210	215	210	210	220	220	220	220	230	245	278	310
M(3000)F2	MED								320	335	350	355	350	350	355	350	342	350	340	U 330					
	CNT	2	3	3	2	2	3	4	8	18	20	20	22	21	23	22	24	19	11	5	2	2	3	2	2
	UQ								328	345	360	362	365	370	360	360	350	350	340	335					
	LQ								318	330	350	345	340	340	340	340	338	330	335	310					
foF1	MED														1										
	CNT																								
foE	MED									D 155	D 200			D 200			D 185								
	CNT									1 7	6 5	3		4 5	3	4	6	2							
h'E	MED									119	120			119	119		121	121							
	CNT									2 7	6	3		5 6	3	5	5	1							
foEs	MED	30	30	39	34	34	32			14	16	20	19	22	20		14	19	16	37	36	36	36	36	28
	CNT	13	12	7	6	5	6	3	4	7	100	6	6	6	7	4	8	12	8	9	8	8	11	9	17

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS.

FEBRUARY, 1963

TABLE 33

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MEQ			U 26	U 26	U 25	U 22	U 18	U 23	36	46	50	52	54	54	56	54	55	51	44	36	U 30	U 30	U 26	U 25
	CNT	1	2	6	6	7	7	9	17	23	26	25	23	25	26	26	26	22	22	17	12	10	8	6	4
	UQ			33	26	30	25	21	26	39	47	53	58	60	60	58	57	57	54	50	40	32	32	30	30
	LQ			22	25	15	14	15	17	32	41	46	48	48	49	52	50	52	35	26	28	29	28	23	20
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MEQ																								
	CNT																								
h'E	MEQ																								
	CNT																								
fo Es	MEQ	41	33	36	37	35	34		14	14	17	20	18	20	22	22	20	22	17	28	27	29	28	28	33
	CNT	24	23	23	20	15	12	4	6	13	150	20	19	20	23	21	21	22	20	16	19	20	23	23	26

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. FEBRUARY, 1963

TABLE 34

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED								U 23	35	46	53	57	58	57	58	54	50	45	U 36	U 28	U 21	U 17	U 16	U 22
	CNT	4	3	2	2	1	4	1	13	24	24	25	23	21	23	23	24	23	25	24	21	16	9	7	5
	UQ								26	40	51	59	62	63	60	60	58	56	48	42	31	22	18	21	24
	LQ								22	31	42	46	49	54	53	53	50	45	40	31	22	17	16	14	20
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MEQ								U 315	345	350	355	350	350	350	350	355	355	350	340	U 340	U 330	322		
	CNT	3	1	2	1		3	1	10	21	22	23	23	18	21	22	23	23	25	22	21	14	6	3	3
	UQ								320	352	370	360	360	360	368	360	360	370	360	350	350	345	330		
	LQ								305	325	340	340	345	340	340	340	345	350	340	335	330	325	320		
fo F1	MEQ																								
	CNT																								
fo E	MED									U 165	205	230	240	255	240	235	225	190							
	CNT								5	7	9	13	11	8	13	11	10	8	2						
h'E	MEQ								125	119	135	113	114	112	113	117	119	U 125	E 135						
	CNT								9	11	12	13	14	10	15	14	13	11	7						
fo Es	MED	24	29	25	28	24	34			U 17	21	23	24	26	24	24	23	E 19	16						21
	CNT	5	9	7	12	6	6	4	12	13	140	15	14	10	15	15	14	11	10	10	14	14	10	9	9

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. FEBRUARY, 1963

TABLE 35

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	27	27	27	27	27	27	27	38	51	57	60	64	62	60	58	58	55	45	36	29	22	23	24	25
	CNT	26	26	26	27	26	28	27	27	28	27	27	28	28	28	28	28	28	27	26	27	27	27	28	27
	UQ	29	30	29	28	27	28	30	46	55	59	62	67	67	66	64	60	60	50	41	30	25	25	26	26
	LQ	25	25	25	24	26	25	26	33	46	54	55	59	56	56	55	54	50	39	32	24	20	20	22	24
h'F2	MED										220	230	243	230	237	230									
	CNT									4	15	15	20	19	16	11	4								
	UQ										236	257	250	245	244	237									
	LQ										215	224	235	225	230	230									
h'F	MED	U 260	U 258	U 270	U 275	E 280	U 270	U 239	220	210	205	203	205	202	205	210	215	218	209	212	E 220	U 222	U 250	U 260	U 260
	CNT	23	22	21	22	23	24	26	27	27	27	28	28	28	28	28	27	28	27	28	25	20	17	19	22
	UQ	273	275	280	290	285	276	270	230	220	210	214	214	209	215	222	225	223	216	222	226	245	280	280	270
	LQ	250	248	254	260	265	258	226	210	203	195	192	189	192	198	200	210	212	203	208	210	215	234	246	242
M(3000)F2	MED	315	312	310	310	305	310	315	355	370	365	360	355	355	362	360	360	362	360	348	350	340	330	320	312
	CNT	24	24	26	27	25	27	27	27	28	27	27	28	28	28	28	28	28	27	28	26	27	26	27	26
	UQ	320	320	310	315	310	320	335	365	380	380	370	370	370	370	365	370	370	370	358	360	360	320	320	325
	LQ	308	310	300	300	300	305	310	335	360	355	345	345	350	348	352	352	360	340	335	345	320	300	300	305
fo F1	MED																								
	CNT												2												
fo E	MEQ								160	U 190	230	250	265	270	265	250	230	U 200	U 180						
	CNT								6	17	18	24	25	27	24	23	21	17	5						
h'E	MEQ									112	109	106	109	106	108	110	110	E 118							
	CNT								2	10	15	18	21	22	23	22	19	12	2						
fo Es	MEQ	19	26	21	19	26		25	23	19	23	25	27	27	27	25	23	20	18			17			
	CNT	5	6	7	9	7	4	7	17	27	250	26	28	28	27	27	25	27	13	3	4	6	2	3	3

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE 36

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 28	U 28	U 29	U 30	U 30	U 30	U 30	41	52	57	60	63	65	64	63	63	60	58	50	43	U 36	U 31	U 25	U 26
	CNT	12	10	13	16	18	19	21	27	28	28	27	28	28	28	28	28	28	28	27	26	26	22	20	16
	UQ	28	29	30	31	31	32	32	47	57	59	62	66	69	66	66	64	63	60	55	47	37	32	31	31
	LQ	24	26	24	26	28	29	26	36	48	55	57	59	63	62	60	60	59	53	47	40	32	27	23	24
h'F2	MED									220	235	250	268	258	265	264	258	240							
	CNT									8	15	24	27	28	28	28	24	13							
	UQ									230	252	258	273	276	271	270	266	248							
	LQ									219	230	241	260	250	260	250	250	239							
h'F	MED				E 282	E 280	E 269	E 270	220	220	208	203	198	198	200	211	216	230	223	225	240	E 250	300	300	E 300
	CNT	3	1	4	6	8	14	17	26	28	28	27	28	28	28	28	28	28	28	27	27	26	17	11	7
	UQ				300	338	335	300	230	222	215	209	206	204	207	218	223	232	230	233	250	270	335	320	350
	LQ				265	270	250	245	215	212	200	199	184	187	190	200	202	224	218	218	230	240	265	270	290
M(3000)F2	MED				U 302	308	315	335	355	365	355	350	345	345	345	340	340	348	350	340	332	330	U 320		
	CNT				6	6	8	11	26	28	28	27	28	28	28	28	28	28	28	27	26	22	9	4	4
	UQ				310	320	332	340	365	370	360	360	350	355	350	345	345	355	355	350	340	335	322		
	LQ				290	305	308	325	345	358	350	340	332	335	335	335	332	340	345	330	325	320	305		
fo F1	MEQ								U 410					' 410	U 410	400									
	CNT								11		1	3	11	8	11	7	1								
fo E	MEQ										U 260	290	300	305	300	290	260								
	CNT										6	12	22	17	22	17	6	1							
h'E	MED										112	112	114	E 118	117	115	115	120							
	CNT									4	12	19	22	19	23	22	21	6	1						
fo Es	MEQ									E 32	U 26	29	30	31	30	29	26	E 27	23						
	CNT			2			2	1	2	6	160	19	24	20	26	23	24	13	7	2	4	1			

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE 37

WASHINGTON, D.C. (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	25	26	29	30	31	31	39	53	57	60	61	66	66	64	62	62	60	54	45	35	30	28	27
	CNT	27	27	26	26	27	26	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	UQ	30	29	31	33	32	32	34	43	57	60	62	64	68	67	67	64	65	62	58	47	38	32	32	32
	LQ	24	23	23	23	22	25	26	34	47	54	56	59	64	63	62	60	60	56	47	40	32	27	25	24
h'F2	MED									220	230	245	260	260	260	260	255	240	220						
	CNT									13	20	24	25	28	28	27	26	22	9						
	UQ									220	240	252	275	275	268	265	260	245	230						
	LQ									215	222	240	250	252	255	250	250	235	220						
h'F	MED	260	U 270	260	260	255	253	240	218	210	202	200	198	200	200	205	210	218	220	210	215	U 220	U 240	250	E 255
	CNT	28	27	27	28	27	26	27	28	28	28	28	28	28	28	28	28	28	28	27	28	28	28	28	28
	UQ	280	280	280	280	270	260	255	230	218	210	210	200	202	218	210	220	220	225	220	230	232	250	268	275
	LQ	250	260	255	250	250	240	230	210	205	200	190	180	182	190	200	205	210	220	210	210	220	235	250	240
M(3000)F2	MED	310	310	310	310	310	315	330	350	365	360	350	340	335	340	340	340	342	350	342	340	332	320	315	310
	CNT	23	23	22	24	26	23	23	27	28	28	28	27	28	28	28	28	28	28	28	28	28	28	27	28
	UQ	320	315	310	315	315	320	330	360	372	365	360	350	345	350	348	340	350	365	350	348	342	330	320	322
	LQ	300	305	305	300	300	300	320	340	348	350	345	330	330	330	335	330	340	345	335	328	322	312	310	305
foF1	MED											2	3	4	2	4	1								
	CNT																								
foE	MED									210	250	280	295	300	300	295	270	240	185						
	CNT								1	27	27	26	27	28	27	27	27	21	17						
h'E	MED									113	108	103	103	103	107	105	E 108	109	117						
	CNT								1	25	27	27	26	28	27	28	28	28	18						
foEs	MED							E	16	21	25	28	30	30	30	30	28	26	20			30			
	CNT	3	1	4	3	3	3	1	8	28	28D	28	28	28	28	28	28	28	28	4	3	5	1	1	1

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE 38

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 34	U 33	34	36	U 36	U 38	U 38	48	61	67	69	67	72	72	77	70	66	64	56	U 39	U 28	28	31	34
	CNT	12	9	8	8	9	8	10	13	14	11	12	15	14	14	13	13	13	13	14	12	12	12	12	11
	UQ	36	38	36	36	40	41	40	54	71	80	74	70	74	78	80	74	68	67	63	42	32	30	34	38
	LQ	32	32	30	34	32	36	33	46	59	62	64	66	67	70	70	64	62	60	52	35	26	26	30	31
h'F2	MED									240	239	250	270	274	282	268	260	245							
	CNT									5	5	8	10	10	10	9	9	5							
	UQ									254	243	260	280	300	300	270	270	290							
	LQ									219	212	245	260	270	269	262	248	234							
h'F	MED	241	242	248	248	230	E 270	E 268	225	223	200	212	200	189	200	230	213		230	225	210	E 251	E 268	252	234
	CNT	9	9	10	9	9	9	10	9	9	7	8	10	10	9	7	6	4	9	9	7	9	10	10	11
	UQ	260	266	260	256	256	290	282	239	237	205	220	240	190	357	268	222		248	242	230	282	290	285	278
	LQ	230	227	236	236	214	238	258	220	209	200	205	200	184	180	222	210		224	206	200	228	260	250	233
M(3000)F2	MED	328	U 330	U 315	325	U 335	6	U 310	358	350	355	360	330	330	325	340	340	345	350	U 360	U 360	335	320	308	330
	CNT	8	6	7	5	6	4	7	8	9	7	9	9	11	10	9	9	8	9	9	6	8	9	8	7
	UQ	335	340	335	335	362		320	365	362	370	362	345	335	335	340	350	350	360	375	370	355	328	320	335
	LQ	312	315	310	320	310		300	348	342	330	352	315	320	320	332	335	335	340	348	340	318	302	300	315
foF1	MED												U 440	440	440	435									
	CNT											2	8	11	7	6									
foE	MED									238	280		320	U 320	320	U 315	300	U 260							
	CNT								4	8	8	4	5	8	6	7	5	7							
h'E	MED									113	105	102	105	110	108	108	110	110	E 114						
	CNT								2	6	5	7	9	7	10	9	9	9	10						
foEs	MED		30	34		24			21	24	27	31	35	34	35	36	38	37	36	27	35	31	40	37	
	CNT	4	6	5	4	5	3	4	10	14	110	12	14	14	14	13	13	14	14	13	9	11	8	6	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE 39

GRAND BAHAMA I. (26.6N, 78.7W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	38	38	40	40	38	34	44	57	60	66	68	68	67	74	72	67	64	59	42	31	32	34	37
	CNT	21	22	23	22	22	20	17	26	28	28	28	28	28	28	28	28	26	26	26	25	23	22	24	22
	UQ	40	40	40	44	43	40	40	50	60	66	68	72	72	72	78	77	72	69	63	47	35	36	38	39
	LQ	36	35	36	37	37	36	32	42	53	58	62	63	65	64	68	68	62	61	56	37	27	29	31	34
h'F2	MED									222	240	272	279	270	289	278	265	250	232						
	CNT									6	13	25	28	27	26	28	28	21	9						
	UQ									233	248	279	286	280	299	286	270	263	238						
	LQ									218	231	260	264	265	280	267	254	246	221						
h'F	MED	E 260	240	250	248	235	E 232	E 240	212	200	195	210	211	210	210	E 210	E 220	E 218	228	210	206	E 227	E 258	E 268	E 253
	CNT	25	25	25	25	25	24	24	25	27	27	26	26	26	25	27	24	20	25	26	24	22	23	27	25
	UQ	269	251	260	250	240	241	246	226	210	228	230	225	220	220	222	232	226	237	213	214	250	275	280	266
	LQ	246	234	234	230	222	220	220	200	188	188	194	195	198	200	195	208	211	219	208	200	219	238	250	249
M(3000)F2	MED	310	320	320	315	332	320	320	360	360	350	340	332	338	325	332	340	340	350	360	365	330	310	305	310
	CNT	20	20	22	21	20	19	14	25	27	27	27	28	28	28	28	28	26	26	26	24	23	21	21	22
	UQ	320	325	330	330	345	340	335	362	365	360	350	340	345	330	340	345	350	360	370	375	340	320	320	310
	LQ	300	310	310	310	328	310	315	352	355	345	335	330	325	315	325	335	330	345	355	350	320	300	298	300
foF1	MED											U 430	440	U 440	440	430									
	CNT											7	14	17	20	18	3								
foE	MED									225	270	U 300	310	U 325	322	U 315	U 300	265	D 215						
	CNT								4	27	26	25	20	21	22	20	27	25	20						
h'E	MED									112	104	104	103	102	103	104	106	108	E 115						
	CNT								3	27	28	28	28	28	28	28	28	24	21						
foEs	MED	23			17	22	24	23	E 16	23	27	D 31	36	36	36	36	34	32	29	24	30	30	32	24	22
	CNT	5	2	12	11	6	5	7	20	28	28D	28	28	28	28	28	28	26	26	32	14	14	12	9	8

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE 40

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	33	32	34	29	D 25	D 22	32	57	67	76	88	100	104	110	105	89	80	70	56	52	51	44	36
	CNT	26	22	22	22	25	21	16	27	28	28	28	28	28	28	28	27	27	27	27	26	26	27	25	24
	UQ	40	40	36	36	35	31	24	37	62	73	83	94	108	116	126	124	112	101	77	62	55	55	48	40
	LQ	31	30	30	29	27	23	22	29	55	62	72	83	92	96	95	95	81	68	58	50	45	44	40	32
h'F2	MED									239	261	277	277	266	270	268	257	248	237						
	CNT									11	19	27	28	27	28	27	28	27	26						
	UQ									243	269	282	286	281	278	282	263	261	244						
	LQ									227	248	262	263	259	262	255	252	241	233						
h'F	MED	E 284	269	E 264	E 252	229	229	E 291	254	232	E 220	220	218	E 209	208	207	229	228	223	220	212	E 240	239	E 240	E 267
	CNT	24	21	20	24	24	17	12	26	28	28	26	26	24	23	21	19	19	15	24	24	24	26	25	22
	UQ	308	298	286	274	245	268	334	267	239	228	238	229	220	213	226	238	237	235	224	220	258	250	261	282
	LQ	276	256	242	240	218	220	234	219	222	200	211	208	194	195	194	220	216	217	214	206	224	229	224	258
M(3000)F2	MED	300	310	315	325	340	340	U 318	330	355	340	330	330	325	325	320	330	340	350	355	340	305	330	320	310
	CNT	22	22	19	21	22	18	10	27	28	28	28	28	26	25	26	25	26	26	22	16	22	22	23	21
	UQ	310	326	325	345	360	355	365	365	365	355	340	335	335	332	335	342	355	355	370	340	315	340	340	322
	LQ	290	300	305	310	335	320	315	320	345	335	320	320	315	312	310	320	325	345	345	322	290	310	310	295
foF1	MED														445										
	CNT												2	3	6	4									
foE	MED									225	270	300	U 318	U 325	U 330	O 320	U 312		U 240						
	CNT									9	14	12	14	13	11	15	6	3	5						
h'E	MED									E 117	E 113	111	111	E 112	110	111	112	E 114							
	CNT									4	6	8	9	7	8	15	14	9	1						
foEs	MED	42			25	27	31			23	29	34	38	38	36	38	39	39	38	35	33	36	35	31	
	CNT	5	4	4	7	7	9	3	3	19	240	23	27	25	26	28	27	26	27	18	13	11	13	5	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE 41

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	30	31	28	22	18	18	36	58	68	80	94	100	103	106	106	93	78	64	36	32	31	33	32
	CNT	24	24	24	25	22	22	22	27	27	28	28	28	28	28	28	28	28	27	27	25	26	24	25	26
	UQ	34	33	34	34	26	21	20	37	60	73	87	100	110	113	120	120	102	93	73	43	34	32	35	34
	LQ	26	27	29	24	19	18	17	33	53	64	73	86	90	96	99	94	83	70	52	33	29	28	30	29
h'F2	MED										280	305	295	295	290	285	265	250	238						
	CNT									1	19	26	27	28	28	28	27	27	24						
	UQ										290	330	310	310	300	298	280	260	245						
	LQ										270	285	280	278	280	272	250	250	230						
h'F	MED	250	250	230	215	E 205	240	E 272	245	215	220	210	E 215	205	205	205	205	220	220	210	208	215	270	255	245
	CNT	24	25	23	23	20	21	18	27	27	25	26	23	20	20	23	23	18	20	23	20	12	17	23	23
	UQ	275	258	240	230	225	278	290	250	230	235	215	220	212	215	215	225	220	228	215	222	242	298	270	260
	LQ	232	240	225	200	190	220	245	235	200	208	200	200	195	200	200	200	205	212	205	200	202	242	240	225
M(3000)F2	MED	325	328	330	372	368	320	305	345	345	328	310	315	312	312	320	330	340	360	375	368	305	298	318	325
	CNT	21	22	21	24	20	21	21	26	27	25	28	28	28	28	28	27	28	27	24	22	19	24	24	21
	UQ	330	340	360	382	380	350	310	340	355	342	328	325	325	320	330	335	350	370	388	380	325	310	335	340
	LQ	308	320	340	360	340	310	298	320	335	320	298	308	310	300	310	325	328	350	370	350	300	290	302	310
foF1	MED											U 430	450	450	450	440	430								
	CNT											5	20	21	18	20	10								
foE	MED							U 140		D 220	275	310	330	335	335	330	310	280	230	170					
	CNT							1	7	23	25	21	19	18	18	13	20	19	17	9					
h'E	MED									111	107	105	105	105	105	103	103	105	109	E 117					
	CNT		1		1				1	24	27	27	25	24	25	24	22	20	18	5		1			
foEs	MED	22	21	21	21	18	22	20	24	D 25	30	32	38	38	36	38	35	37	30	30	31	34	26	24	24
	CNT	24	24	18	17	24	21	24	26	27	280	28	28	28	28	28	28	28	28	28	27	26	25	24	20

SWEEP 11.25 MC TO 20.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE 42

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	62	49	40	34	29	25	37	64	76	78	76	70	70	72	74	76	80	84	85	82	75	71	76	72
	CNT	12	15	18	19	19	21	22	28	28	28	28	28	28	28	28	28	28	28	28	27	23	13	8	8
	UQ	65	58	49	42	36	30	39	65	77	81	81	78	78	79	84	86	90	92	90	88	81	83	82	76
	LQ	58	44	35	27	20	15	34	62	72	74	71	66	66	66	68	70	74	78	77	77	68	66	69	70
h'F2	MED									290	330	370	390	395	395	365	340								
	CNT									7	15	24	28	27	28	26	14	3	1						
	UQ									295	355	385	415	420	412	380	360								
	LQ									275	315	350	368	365	370	350	330								
h'F	MED	240	235	238	240	245	F 262	255	228	212	200	195	190	190	190	190	188	190	215	245	265	295	272	260	255
	CNT	26	27	24	24	21	22	28	28	28	28	28	28	28	28	28	28	28	28	28	27	23	16	15	19
	UQ	265	255	255	258	252	270	258	230	220	205	200	200	195	190	192	190	198	228	250	275	305	312	290	275
	LQ	230	220	225	235	232	245	245	222	200	190	190	185	185	188	182	180	185	200	242	260	275	252	245	250
M(3000)F2	MED	325	335	340	340	340	340	320	340	320	282	250	250	250	250	260	260	270	280	288	290	290	300	315	315
	CNT	12	15	18	18	17	19	22	28	28	28	28	28	28	27	28	28	28	28	28	27	23	13	7	8
	UQ	335	345	350	340	350	340	330	350	332	302	262	260	260	260	268	275	285	295	308	305	295	315	320	330
	LQ	315	325	335	330	330	330	310	330	315	262	235	248	242	245	252	250	258	270	272	280	270	285	290	300
foF1	MED														440	450	460	460	450	450	440				
	CNT														5	20	27	28	28	21	7				
foE	MED							125	230					U 282	U 315	U 340	U 358	U 365	U 365	U 355	U 335	U 305	U 260	U 195	
	CNT							5	28					28	28	28	28	28	28	27	27	27	26	15	
h'E	MED								116	109	106	105	103	103	107	107	109	109	111	E 130					
	CNT							4	28	28	28	28	28	28	28	28	28	28	25	15					
foEs	MED	38	36	32				34	23	56	71	75	76	75	76	73	72	70	64	48	40	37	40	42	36
	CNT	28	27	28	26	28	28	22	28	28	280	28	28	28	27	28	28	28	28	28	18	15	19	18	24

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. FEBRUARY, 1963

TABLE 43

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	51	52	46	45	37	47	53	57	63	66	80	86	94	91	93	90	73	65	60	57	55	54	55
	CNT	19	17	18	18	14	17	25	25	25	24	25	27	26	22	25	25	25	26	25	24	25	23	20	20
	UQ	57	54	55	50	47	43	50	56	61	70	79	86	92	102	106	102	104	90	74	68	60	59	58	59
	LQ	48	45	44	42	38	32	44	51	53	54	59	65	74	82	78	82	73	66	59	55	48	49	50	51
h'F2	MED								230	290	298	E 330	322	308	E 292	290	285	270	260	260					
	CNT							3	9	18	20	25	26	24	22	25	25	24	23	13	1				
	UQ								240	310	325	350	350	320	310	308	308	282	270	282					
	LQ								230	270	282	280	305	292	285	278	275	260	250	252					
h'F	MED	282	270	260	250	E 260	260	330	230	230	220	220	215	200	190	180	230	E 230	230	240	245	270	295	295	295
	CNT	26	26	24	25	24	26	26	21	13	13	11	9	7	10	13	15	15	21	22	23	26	27	26	27
	UQ	290	280	285	270	280	290	240	240	260	255	230	240	210	215	196	250	240	250	250	270	300	320	320	300
	LQ	270	260	240	238	250	240	225	222	210	208	200	200	190	180	165	190	215	220	240	240	250	280	280	275
M(3000)F2	MED	295	305	310	320	310	310	355	350	335	328	320	310	310	315	320	325	330	340	330	320	300	285	285	285
	CNT	19	17	18	16	14	17	25	24	25	26	25	26	26	22	25	25	25	25	26	24	24	23	20	20
	UQ	305	320	325	335	325	325	260	362	355	338	340	320	322	330	330	330	350	345	342	332	310	300	298	300
	LQ	285	298	300	310	290	300	340	340	328	310	302	300	300	305	308	310	320	328	322	315	290	275	280	280
foF1	MED											450	450	450	450	440	440								
	CNT									9		7	12	11	9	11	11	2							
foE	MED							190	242	280	310	328	335	340	330	325	310	290	260	202					
	CNT						15	9	20	17	18	14	18	13	9	13	6	9	9	6					
h'E	MED							119	109	107	106	105	105	105	105	105	106	108	110	E 118					
	CNT						17	16	23	24	26	25	26	26	27	26	22	18	21	8					
foEs	MED	33	40	38	31	25	17	25	32	36	45	50	53	54	47	49	46	44	33	33	46	30	28	35	31
	CNT	19	18	24	25	24	24	25	22	22	270	26	27	26	20	26	25	25	27	27	26	23	22	15	19

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. FEBRUARY, 1963

TABLE 44

THULE, GREENLAND (76.4N, 68.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 22	U 24	U 24	U 23	U 21	U 22	U 24		U 29	U 30	U 35	U 35	U 38	U 38	U 36	U 38	U 40	U 33	U 21	U 26	U 24	U 24	U 23	U 23
	CNT	15	15	11	9	10	11	7	4	8	14	15	15	12	19	15	11	12	11	7	13	14	13	15	12
	UQ	27	27	27	26	29	26	29		34	37	37	45	44	42	46	42	46	38	35	30	28	28	26	26
	LQ	20	23	20	20	20	20	20		24	23	25	29	28	33	25	30	32	30	18	19	17	21	20	18
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	243	258	244	248	250	261	242	238	240	235	235	231	227	230	224	231	220	238	E 234	238	240	241	240	250
	CNT	27	26	26	26	26	25	24	24	25	29	29	30	31	31	30	31	31	30	30	30	29	25	24	25
	UQ	275	272	270	270	275	280	277	264	258	250	242	242	240	255	243	244	230	248	246	270	250	260	244	267
	LQ	230	230	235	231	240	236	220	223	226	230	220	220	219	215	219	220	214	220	220	220	220	232	228	250
M(3000)F2	MED	U 320	U 310	U 300		U 320	U 300				U 315	U 315	U 310	U 312	U 320	U 310	U 315	U 312	U 315	U 310	U 315	U 320	U 320	U 330	U 305
	CNT	9	11	7	4	5	7	3	1	3	8	9	8	8	13	10	6	6	7	6	7	7	8	6	7
	UQ	325	320	300		330	320				325	324	322	322	335	330	320	330	320	315	335	330	328	330	310
	LQ	295	300	300		302	290				302	298	305	310	310	300	312	300	305	300	300	310	312	320	300
foF1	MED																								
	CNT																								
foE	MED																								
	CNT												1	2	2	1									
h'E	MED																								
	CNT												1	2	2										
foEs	MED							23	28	32	18		18		27	36	20	16	33	36	26	25	34	15	
	CNT	30	29	27	28	26	26	27	31	27	280	27	27	27	27	28	29	29	30	31	30	28	28	29	29

SWEEP 1.0 MC TO 25.0 MC IN 45 SECONDS. JANUARY, 1963

TABLE 45

BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED									U	U			U							U				
	CNT	1	1	1	2	1	2	2	1	4	23	28	36	40	42	44	43	40	33	24	18	3	4	3	3
	UQ										6	6	8	13	13	11	14	17	18	14	7				
	LQ										30	32	40	44	47	47	45	42	35	29	20				
											18	27	26	34	36	40	40	35	28	21	17				
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'E	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED											U		U											
	CNT	1				1	2	1		4	2	320	335	330	330	350	340	330	322	330	335	1	2		1
	UQ											6	7	11	13	8	13	15	16	13	5				
	LQ											345	350	340	345	350	342	340	338	350	355				
												300	320	325	325	340	330	314	315	325	320				
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	58	56	68	48	37	34	36	36	38	35	34	32	30	26	29	26	30	31	29	28	30	31	34	58
	CNT	22	21	18	18	22	18	17	18	18	150	14	12	11	11	10	9	9	11	15	16	17	23	24	24

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 46

COLLEGE (FAIRBANKS), ALASKA (64.9N, 147.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				U	U				U										U				
	CNT	4	4	4	29	23				21	31	41	48	50	53	47	42	38	29	20					
	UQ				5	7	1	2		10	17	23	23	22	24	23	23	23	25	15	2	1			1
	LQ				32	30				23	37	45	52	53	55	50	44	40	32	23					
					26	20				20	28	39	42	45	47	42	39	34	26	18					
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED									U										U					
	CNT	3	3	3	2	3	1			305	335	355	350	355	358	358	348	340	340	345					
	UQ									7	15	22	19	21	24	22	20	22	23	13	1				1
	LQ									310	345	360	360	362	365	370	350	350	350	360					
										290	325	340	340	342	350	350	342	325	330	342					
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	40	38	33	29	35	28	26	U 31		12	20	19	20	20	16	14			19	23	30	33	39	35
	CNT	21	22	19	19	17	14	18	12	15	130	16	13	9	11	12	11	10	12	12	9	8	13	17	19

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JANUARY, 1963

TABLE 47

REYKJAVIK, ICELAND (64.1N, 21.8W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				D					U						U	U	D	D	D					
	CNT			1	29	4	3	3		1	24	38	44	48	49	46	45	U 42	36	24					
	UQ				5						16	19	20	20	27	25	22	13	8	5	2	2	2	2	
	LQ				30						26	41	48	54	53	50	47	44	40	28					
					24						22	35	41	46	45	42	40	40	29	22					
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED										E			E	E					E					
	CNT				300	300					268	230	230	230	230	230	230	225	235	250					
	UQ	1	1	2	6	5	3	3		1	16	19	20	19	27	21	19	15	9	5	2	1	1	1	1
	LQ				350	330					285	245	238	230	240	230	235	250	270	282					
					300	272					258	220	225	220	215	225	220	220	228	240					
M(3000)F2	MED									U				U				U							
	CNT						1	1		335	350	350	340	350	350	350	350	340	3	2	1		1	2	
	UQ									10	18	18	17	23	18	18	16	11							
	LQ									350	350	360	362	340	360	350	340	350							
										330	340	345	342	345	350	340		330							
foF1	MED																								
	CNT																								
foE	MED												1	1											
	CNT												1												
h'E	MED												1	1											
	CNT												1												
foEs	MED	40	46	45																35	43	46	83	45	44
	CNT	10	11	11	4	3	1	3	1		10	3	3	2	1	1	2	3	2	5	9	8	5	10	11

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JANUARY, 1963

TABLE 48

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				U	D	U	U	U						U	U	U	U	U	U	U	U			U
	CNT				27	24	24	18	17	21	36	45	47	50	50	50	48	48	38	29	24	20			26
	UQ	4	4	4	5	6	10	8	7	16	20	22	28	30	29	26	25	19	15	13	11	7	4	4	5
	LQ				36	30	25	24	18	24	38	47	50	57	56	53	52	51	41	34	31	24			28
					22	19	23	17	15	18	33	41	44	48	46	44	42	43	32	26	22	19			24
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	35	37	39	39	38	39	34	40	18	15	15	22	18	17	20	16	18	30	34	32	37	39	35	32
	CNT	25	28	25	21	18	15	10	6	5	130	17	19	20	17	18	24	21	20	24	23	24	26	29	28

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JANUARY, 1963

TABLE 49

ANCHORAGE, ALASKA 161.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 19	U 19	U 20		U 18		U 16	U 15	U 20	U 37	U 46	50	53	55	53	44	U 40	U 30	U 22	U 16				U 18
	CNT	7	6	6	4	6	2	5	6	20	25	26	23	28	25	23	22	25	27	24	11	3	2	4	6
	UQ	22	22	21		20		18	18	22	41	52	56	56	59	55	47	43	35	25	17				22
	LQ	18	14	15		15		16	14	19	34	42	46	48	52	50	43	36	27	19	13				14
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 330								U 300	U 350	U 360	360	360	360	365	365	U 345	342	U 350					
	CNT	5	4		1			1	2	12	24	24	23	27	22	21	21	23	24	16	2			2	2
	UQ	338								305	352	375	375	375	370	378	370	155	350	365					
	LQ	310								300	340	348	340	350	355	355	355	340	338	335					
foF1	MED																								
	CNT																								
foE	MED										U 162	U 180	U 200	U 200	U 200	U 190									
	CNT										8	11	14	13	7	8	4	1							
h'E	MED										113	135	125	125	121	E 134									
	CNT										7	11	13	13	5	8	4	1							
foEs	MED	36	46	24	28	25	36	28	30	19	18	18	20	U 20	22	20	18	18				28		23	23
	CNT	10	13	13	14	19	14	13	13	11	200	20	18	19	15	17	11	5	9	13	6	8	4	7	7

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JANUARY, 1963

TABLE 50

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	27	27	25	25	26	28	25	24	41	52	58	56	55	58	61	52	43	36	26	21	21	23	24	26
	CNT	28	27	27	26	26	26	28	30	30	29	29	30	29	30	31	28	28	28	27	25	23	26	26	26
	UQ	30	29	27	27	28	30	27	27	45	60	64	61	58	63	65	58	46	41	31	24	26	27	29	30
	LQ	24	25	23	24	24	25	22	22	38	50	55	54	52	54	53	47	37	32	25	20	19	20	22	25
h'F2	MED										228	225	225	225	225	220									
	CNT									1	9	12	10	14	9										
	UQ										238	232	234	234	235	234									
	LQ										218	224	217	220	214										
h'F	MED	U 250	U 258	U 270	U 277	U 268	U 240	U 230	U 226	214	220	220	220	E 215	220	218	210	203	U 211	U 219	U 240	U 233	U 268	U 256	U 262
	CNT	25	20	24	21	23	30	22	20	31	31	30	29	25	28	31	30	31	29	28	19	11	12	14	20
	UQ	280	270	275	294	280	249	239	264	220	225	228	225	220	228	225	220	207	222	235	255	265	290	280	275
	LQ	238	248	255	260	260	230	220	219	205	210	210	214	208	215	211	203	200	204	212	227	225	250	239	241
M(3000)F2	MED	320	320	310	305	315	330	342	330	355	365	370	370	370	368	375	372	365	350	355	350	322	310	310	318
	CNT	26	25	26	24	26	24	26	28	30	29	28	30	27	30	30	28	28	28	26	23	20	23	24	22
	UQ	335	328	320	318	330	350	350	348	370	375	380	375	385	380	385	380	382	362	370	355	338	315	322	330
	LQ	300	310	310	300	305	320	330	320	350	340	360	360	355	350	360	368	355	340	335	325	310	300	300	300
foF1	MED											1		1	1										
	CNT																								
foE	MED									4	U 205	U 235	250	250	240	U 225	U 190								
	CNT										13	13	15	10	11	12	6	4							
h'E	MED										E 115	U 110		110	U 110	U 112									
	CNT									2	7	7		5	8	6	4								
foEs	MED	22		24		24	28	26	29	17	22	D 24	25	D 26	27	24	22	18		28		26	31	29	30
	CNT	7	1	5	2	5	7	7	9	25	280	24	20	20	22	28	26	17	4	7	3	6	5	8	7

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 51

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 20	U 22	U 24	U 31	U 32	U 31	U 29	U 31	46	52	58	59	62	60	59	60	55	48	42	36	D 26	U 23	U 22	U 20
	CNT	16	12	13	8	15	13	16	21	28	26	27	26	29	27	27	27	29	30	29	24	20	21	16	17
	UQ	24	27	33	36	33	32	30	32	48	53	59	65	66	64	63	63	58	52	48	38	30	25	24	22
	LQ	20	20	20	22	29	28	24	28	44	50	57	57	60	57	56	56	52	47	38	32	24	21	21	19
h'F2	MED										226	246	250	250	257	251	240								
	CNT										6	24	26	29	27	28	22	4							
	UQ										235	260	260	260	260	260	248								
	LQ										222	240	240	240	242	242	238								
h'F	MED	E 300	E 300	E 300	E 272	E 253	242	E 246	230	219	220	214	209	204	207	210	226	220	220	222	222	E 245	E 270	E 292	E 300
	CNT	18	15	17	18	20	19	22	23	29	26	28	26	29	27	28	26	30	31	31	28	22	19	18	20
	UQ	320	315	318	295	272	253	258	240	224	228	224	220	214	220	222	232	222	230	239	232	260	285	300	320
	LQ	300	266	272	250	240	230	235	220	210	215	204	200	199	200	201	210	218	218	220	218	231	260	270	280
M(3000)F2	MED	U 300		310	320	320	320	U 320	340	365	360	340	350	350	350	340	345	350	338	330	340	330	312	310	U 310
	CNT	8	4	5	5	12	9	13	17	27	23	27	26	28	27	27	25	29	28	25	22	17	12	11	11
	UQ	310		325	328	320	330	330	342	370	360	355	360	355	350	350	355	358	340	340	350	348	330	320	320
	LQ	298		300	302	315	305	310	325	350	350	330	340	338	340	330	338	342	330	320	340	328	310	310	300
foF1	MED											4	3	U 390	U 380										
	CNT													8	7	2									
foE	MED									200	250	U 255	290	290	288	270	U 250	200							
	CNT									11	11	10	7	11	8	11	11	9							
h'E	MED									E 140	116	110	110	110	110	110	115	126							
	CNT									12	16	15	13	16	17	14	13	13							
foEs	MED				30		26	38	30	20	25	29	30	29	29	27	U 25	20	18	32	47		31		
	CNT	4	4	4	5	4	7	6	7	16	180	21	16	19	20	18	14	17	18	8	5	4	6	4	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 52

WASHINGTON, D.C. (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 23	U 25	U 26	28	U 32	U 30	29	30	47	51	57	62	65	62	62	62	58	50	45	38	28	24	23	U 22
	CNT	26	27	28	27	26	28	29	30	30	29	30	29	31	31	31	31	31	30	31	31	29	29	28	29
	UQ	27	28	32	34	35	34	34	33	48	54	60	66	68	67	65	65	60	54	49	40	30	28	25	26
	LQ	19	20	22	23	28	24	24	27	44	49	55	60	61	60	58	59	54	47	39	33	25	22	22	20
h'F2	MED										220	240	255	250	255	255	250	228							
	CNT									2	10	16	27	29	31	27	26	22							
	UQ										225	255	270	260	265	260	255	230							
	LQ										220	240	245	242	250	250	240	225							
h'F	MED	E 280	E 270	E 270	E 260	250	E 240	230	230	215	210	210	200	205	200	200	205	220	215	220	220	E 235	E 265	E 270	E 275
	CNT	30	29	29	30	28	30	30	31	31	31	31	31	31	31	31	31	30	31	31	31	29	28	28	29
	UQ	310	300	300	290	275	260	260	240	220	220	220	210	215	210	210	220	225	220	225	235	240	280	295	305
	LQ	270	260	255	240	238	230	230	225	210	200	205	195	200	190	195	200	205	210	215	210	220	250	260	270
M(3000)F2	MED	U 300	U	310	310	320	325	320	340	370	365	345	340	345	340	340	342	355	340	340	340	340	320	312	U 310
	CNT	20	19	20	24	23	26	24	29	30	29	29	29	31	30	31	30	31	30	31	30	28	25	22	24
	UQ	310	310	320	330	330	330	330	340	370	370	350	352	360	350	350	350	360	360	350	350	350	325	330	315
	LQ	300	310	300	302	310	310	312	320	360	352	340	330	335	340	330	335	340	335	330	340	330	308	305	300
foF1	MED												3	3	390	3	1								
	CNT														5										
foE	MED									180	225	260	275	285	280	268	245	205							
	CNT									21	27	27	26	28	29	30	30	25	4						
h'E	MED									E 134	111	E 111	111	109	109	109	111	119							
	CNT									14	29	31	30	31	31	31	30	28	2						
foEs	MED				23	32	26	27		18	24	29	30	31	30	27	25	22	17	30	30	35	31		
	CNT	2	2	4	5	5	7	5	2	31	310	31	31	31	31	31	31	31	23	12	9	7	5	4	2

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 53*

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	29	32	33	36	31	30	28	36	51	54	57	62	71	66	62	64	60	52	35	28	26	26	27	28
	CNT	21	22	23	23	21	21	19	22	28	33	22	23	22	24	24	23	24	24	21	21	24	24	25	20
	UQ	31	36	36	40	38	34	32	38	56	57	59	65	75	71	66	71	64	54	38	31	29	29	30	30
	LQ	26	28	30	31	28	26	25	35	50	52	54	57	67	61	60	62	58	50	33	25	24	23	24	24
h' F2	MED										240	265	280	265	262	266	260	240							
	CNT									2	5	15	21	21	24	23	19	9							
	UQ										262	280	292	288	272	275	279	248							
	LQ										234	240	262	252	241	250	232	228							
h' F	MED	E 288	269	259	245	226	E 250	E 256	240	229	225	230	220	217	220	215	212	224	220	220	240	E 245	E 265	E 272	E 285
	CNT	27	27	25	25	24	25	24	24	27	23	21	22	22	23	22	22	23	25	22	23	29	26	25	26
	UD	305	281	275	260	235	261	274	246	238	241	240	230	229	238	220	226	235	228	230	250	255	280	294	300
	LO	255	250	238	233	222	230	245	230	219	214	202	200	200	207	205	200	212	215	205	227	225	250	242	265
M(3000)F2	MED																								
	CNT																								
	UD																								
	LO																								
fo F1	MED												420	420	420	U 410									
	CNT											1	11	14	9	5	3								
fo E	MED									228	255	U 280	U 300	U 308	300	U 290	275	232	185						
	CNT									18	15	10	13	12	8	8	9	8	8						
h' E	MED									122	115	112	115	112	112	113	115	118	E 140						
	CNT									23	19	19	20	19	22	22	21	22	5						
fo Es	MED	23	29		34	25	28	28	31	23	27	30	32	34	32	30	28	24	20	27	30	30	25	27	24
	CNT	7	6	3	6	9	10	7	7	28	220	21	21	20	22	23	22	22	20	16	15	15	13	11	9

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

* Notice from Review Group: "Height markers were off for the complete month, which necessitates a 7% reduction. All MUF factors are C."

TABLE 54

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	39	42	45	46	U 45	37	U 37	42	56	58	58	62	67	65	64	64	66	60	45	35	33	35	36	36
	CNT	25	24	24	23	23	20	27	29	30	31	30	30	30	30	30	30	29	29	29	29	28	27	27	26
	UQ	47	48	48	51	49	43	41	46	58	62	62	66	70	73	70	69	70	66	50	38	36	37	40	40
	LD	36	40	43	41	38	33	32	40	53	53	57	60	62	60	61	61	60	56	41	32	32	32	32	33
h' F2	MED									230	240	260	269	270	270	272	270	242							
	CNT									5	13	25	26	29	27	28	27	23	4						
	UQ									248	253	270	275	278	283	285	280	252							
	LO									217	232	254	260	255	260	260	256	238							
h' F	MED	255	250	E 243	230	222	232	240	228	223	215	216	204	205	203	202	203	220	220	201	220	230	E 240	E 240	E 250
	CNT	27	28	28	28	28	28	27	29	29	29	26	28	28	28	28	28	28	28	28	28	28	28	28	28
	UD	269	264	250	244	235	252	240	238	230	230	224	210	220	212	212	212	229	226	210	239	245	248	258	265
	LO	245	238	225	220	214	210	229	220	215	210	209	199	196	196	190	189	210	213	199	210	220	230	228	232
M(3000)F2	MED	305	320	330	335	338	320	U 320	342	360	360	355	340	340	335	335	335	340	358	350	335	330	320	320	310
	CNT	21	21	22	21	18	15	24	28	29	29	28	28	28	29	29	29	28	28	28	27	26	26	26	25
	UQ	315	325	350	345	360	335	325	355	370	365	360	352	345	345	340	340	352	368	365	350	340	335	325	318
	LD	300	310	310	322	320	310	312	335	352	350	340	330	325	325	330	325	332	345	342	315	310	310	310	305
fo F1	MED													U 430	430	420									
	CNT								3	12				14	6	10	4								
fo E	MED									200	250	285	D 302	U 310	310	300	280	240	190						
	CNT								1	24	30	25	20	17	20	24	28	23	17						
h' E	MED									116	110	110	108	108	108	108	109	F 112	F 122						
	CNT								1	28	29	28	27	27	29	28	28	23	15						
fo Es	MED	21	20					23	E 16	20	26	32	33	34	32	32	29	27	22	31	31	28	24	23	31
	CNT	7	7	4	5	7	3	5	12	30	310	30	30	30	30	30	30	29	29	16	15	14	10	9	9

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 55

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	29	29	29	30	28	U 21	22	24	54	66	74	74	87	101	106	94	78	72	61	48	45	40	34	D 32
	CNT	21	21	23	25	20	9	8	24	30	30	30	31	31	31	31	30	31	31	31	30	25	25	27	19
	UQ	32	32	34	36	30	23	24	27	57	72	83	96	108	110	114	108	100	92	71	58	60	52	45	44
	LQ	25	26	27	27	24	20	21	23	51	61	69	64	78	85	83	74	68	59	54	41	42	35	31	30
h' F2	MED									247	254	239	248	261	261	252	242	241	228						
	CNT									5	24	26	30	29	31	31	28	25	17						
	UQ									250	266	259	257	274	273	268	258	254	238						
	LD									236	238	236	242	255	247	246	236	238	221						
h' F	MED	E 273	E 275	E 251	228	214	E 306	E 300	E 275	235	228	222	210	189	E 210	210	210	216	224	E 212	214	238	E 224	E 244	260
	CNT	19	15	23	26	18	6	7	21	29	29	28	25	25	27	29	28	24	27	31	26	25	22	23	19
	UQ	300	294	300	270	242	330	300	288	240	234	231	226	207	218	224	229	232	235	219	231	245	232	272	309
	LQ	247	269	235	212	203	300	267	260	228	219	214	198	183	188	176	198	204	216	204	209	219	210	224	234
M(3000)F2	MED	315	310	332	340	370	305	330	325	355	355	356	350	330	330	335	340	335	358	360	330	330	345	330	320
	CNT	17	20	22	24	18	6	5	18	30	30	30	31	29	31	31	28	30	30	29	27	21	22	24	16
	UQ	340	320	365	378	390	310	335	330	365	365	375	360	342	345	350	350	350	365	372	350	355	360	352	340
	LQ	305	300	300	315	350	305	315	320	340	340	330	335	325	320	325	328	325	350	350	310	325	325	312	310
fo F1	MED																								
	CNT																								
fo E	MED									U 210	U 255	U 285				U 310	298	U 260							
	CNT									6	14	5	2	2	4	10	6	8	3						
h' E	MED										E 114	111	110	110	111	110	E 112	E 112							
	CNT										19	19	22	18	19	17	19	18	4						
fo Es	MED									U 21	U 26	35	38	39	37	35	32	D 32	28	35	34	38	36	31	
	CNT	2	1	3	2	1	1	1	2	17	220	28	30	28	28	29	24	26	23	15	16	19	16	7	2

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 56

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 23	26	U 33	25	U 20	18	U 19	31	57	71	83	85	74	84	98	95	75	62	50	37	32	34	U 30	U 25
	CNT	25	24	25	23	20	26	26	31	31	31	31	31	31	31	31	31	31	31	30	29	28	30	28	25
	UD	30	32	36	28	23	19	21	33	60	77	90	94	101	103	110	105	86	69	54	44	35	39	37	36
	LO	19	23	28	21	16	17	17	29	54	63	74	72	64	70	87	80	65	54	47	32	27	30	26	22
h' F2	MED									250	260	258	258	E 268	302	275	260	240	230						
	CNT									7	25	30	30	28	30	31	31	29	10						
	UD									250	272	275	270	285	335	290	270	250	230						
	LO									245	250	250	245	252	275	260	245	235	225						
h' F	MED	270	265	230	212	228	E 270	E 262	250	230	220	215	205	190	190	200	220	215	220	215	210	235	240	E 235	235
	CNT	23	25	29	30	24	19	22	30	30	29	29	27	23	18	20	21	21	27	29	23	21	27	27	25
	UQ	290	278	240	225	262	300	300	255	240	230	222	210	200	205	212	232	230	230	222	220	242	260	250	250
	LD	245	245	215	200	210	235	230	240	215	198	205	195	185	185	180	198	212	215	210	205	225	220	225	220
M(3000)F2	MED	U 302	310	U 360	U 365	U 335	U 310	330	320	355	340	350	350	320	310	325	340	348	370	370	365	330	330	342	335
	CNT	16	22	17	21	15	18	21	30	31	31	31	31	29	31	30	31	30	29	29	27	25	27	24	23
	UD	315	325	375	382	370	335	348	330	365	355	360	360	330	325	335	350	360	378	380	380	340	356	365	350
	LO	295	300	330	348	310	300	310	305	345	330	330	335	310	290	310	325	335	362	358	340	298	310	318	320
fo F1	MED											420	U 440	440	440	440	U 420								
	CNT										1	11	21	20	15	18	5								
fo E	MED								150	208	265	295	D 312	320	U 318	315	298	265	215	U 160					
	CNT					1	1		5	26	28	24	16	11	6	9	14	17	16	5	1				
h' E	MED									111	107	105	105	E 104	105	105	U 105		E 110						
	CNT	1				2	1		3	27	29	30	30	30	26	22	24	23	16	4	1				
fo Es	MED	24	22	21	21	22	22	21	22	22	28	33	35	38	40	39	37	38	36	27	29	26	30	23	26
	CNT	24	28	29	27	27	27	30	31	30	300	31	31	31	31	31	31	31	31	31	31	31	30	29	25

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 57

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	37	23	26	25	21	23	54	71	82	89	90	94	96	95	96	96	93	94	88	82	69	58	D 56
	CNT	20	13	11	12	13	11	23	30	29	28	28	27	30	30	30	30	30	31	31	31	31	30	29	26
	UQ	70	46	38	31	34	28	25	56	76	86	96	100	102	100	102	106	106	100	98	99	92	86	76	70
	LQ	44	28	21	20	18	17	19	50	68	77	82	86	88	89	89	92	89	97	85	81	63	54	46	45
h'F2	MED									280	300	320	345	342	340	352	340	310	290						
	CNT									11	19	23	25	26	29	28	23	14	13	1					
	UQ									285	315	330	360	375	370	372	360	325	300						
	LQ									270	290	305	330	330	320	338	330	300	280						
h'F	MED	225	215	242	E 245	250	E 245	E 300	242	225	E 208	198	190	190	190	190	180	195	230	250	240	230	220	220	240
	CNT	27	19	18	16	19	11	25	28	27	24	26	26	26	25	24	22	24	24	26	29	30	30	27	27
	UQ	245	245	255	262	260	260	315	245	235	220	210	200	200	198	200	190	238	242	255	245	240	230	230	255
	LQ	215	205	220	230	240	230	280	235	210	200	185	180	185	178	180	175	188	218	245	230	215	210	210	230
M(3000)F2	MED	350	350	320	330	340	348	300	330	320	308	300	285	270	265	270	272	280	292	320	332	350	350	330	320
	CNT	19	10	9	11	11	8	19	29	29	28	27	27	30	29	28	30	29	30	30	30	30	29	26	23
	UQ	360	360	330	360	350	368	310	340	340	328	320	300	295	290	278	280	298	310	330	340	355	350	340	340
	LQ	325	340	302	310	315	335	300	320	298	280	270	255	260	255	252	255	268	290	300	325	335	340	315	315
foF1	MED											440	450	450	450	450	440								
	CNT										3	19	18	25	25	19	7	1							
foE	MED							U 215	U	270	305	330	340	350	345	340	320	300	265						
	CNT							13		19	18	16	18	20	18	20	16	18	17	3					
h'E	MED							121		113	111	109	109	109	109	109	109	110	115	E 124					
	CNT							22		25	35	23	24	28	29	29	28	26	21	16					
foEs	MED	43	42	40	38	36	32	21	23	33	37	37	38	40	41	38	42	40	40	36	32	33	40	41	42
	CNT	23	21	19	19	22	24	17	29	29	280	28	28	30	30	30	30	30	31	31	30	25	24	26	25

SWEEP 1.0 MC TO 26.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 58

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	32	26	22	19	15	43	67	76	82	85	83	78	80	82	85	86	88	90	88	77	70	56	59
	CNT	11	10	13	14	13	18	30	30	29	29	30	31	31	31	31	31	30	30	30	29	27	22	16	11
	UQ	54	44	34	28	23	18	46	69	81	86	89	90	88	87	90	90	97	94	93	92	84	74	68	77
	LQ	28	29	22	19	17	13	40	64	73	74	78	70	70	74	77	80	80	85	86	82	72	56	43	36
h'F2	MED									290	322	360	365	380	380	365	352	370							
	CNT									14	20	28	29	29	28	28	22	9	4						
	UQ									300	340	385	390	400	390	378	365	342							
	LQ									280	312	345	352	358	365	352	340	298							
h'F	MED						F		F	270	250	242	252	245	268	250	E 230	210	200	195	195	190	185	182	180
	CNT									20	17	18	20	20	20	30	31	31	31	31	31	31	30	30	31
	UQ									285	258	270	285	260	288	250	230	220	205	200	200	190	190	185	190
	LQ									238	230	235	238	232	250	245	220	200	195	190	190	185	180	180	180
M(3000)F2	MED	325	342	340	332	332	342	325	330	315	285	265	260	260	255	260	260	280	290	305	310	300	295	305	320
	CNT	11	10	12	12	14	14	31	31	31	29	31	31	31	31	31	31	31	31	31	30	28	23	17	11
	UQ	345	350	345	348	350	350	330	335	330	310	290	270	265	265	265	280	290	305	320	330	320	320	310	335
	LQ	295	320	322	322	310	330	320	310	275	265	250	250	250	250	250	260	265	275	285	295	290	280	285	270
foF1	MED										435	450	450	450	450	445	430								
	CNT										8	23	29	26	28	24	5								
foE	MED							165	245	290	U 320	U 345	U 355	U 360	U 355	U 345	U 325	U 300	U 260	200				
	CNT							17	29	28	29	30	31	30	30	30	30	27	24	13					
h'E	MED							134	111	109	107	105	103	103	103	107	109	111	113	129					
	CNT							16	29	30	31	31	31	31	31	31	31	29	26	13					
foEs	MED	34						42	48	58	71	74	77	77	76	75	70	58	48	46	44	39	37	40	38
	CNT	15	24	26	28	26	29	28	30	30	280	30	30	31	31	30	31	30	30	30	17	14	15	16	15

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. JANUARY, 1963

TABLE 59*

BYRD STATION, ANTARCTICA (80.0S, 120.0W) TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			U 50	50	50	48	46	U 49	47	49	51	50	54	U 52	54	56	66	65	60					
	CNT	3		7	8	8	8	8	7	10	9	11	10	10	12	9	8	9	9	6	4	2	2	1	1
	UQ			55	57	53	54	52	48	50	48	51	52	55	54	60	58	63	68	62					
	LQ			45	45	49	48	48	44	46	45	48	48	49	50	51	52	52	54	54	57				
h'F2	MED			322	318	295	280				295	320	330	318	325	335	325	330	330	330	310	308				320
	CNT	3		6	8	8	6	4	2	4	5	9	11	10	11	11	12	13	13	11	6	8	2	3	2	5
	UQ			345	370	320	325				345	342	400	350	380	385	372	380	408	380	330	322				368
	LQ			310	300	280	260				278	335	320	300	300	320	312	315	395	365	300	290				305
h'F	MED			250	220	220	215	205	205	202	212	198	210	220	210	200	200	210	200	225	255	225	245			
	CNT	3		5	7	8	8	8	9	8	10	10	11	9	11	11	11	9	7	9	5	6	6	2	4	2
	UQ			300	250	225	225	218	210	208	220	215	215	232	225	210	210	230	220	285	282	255	265			
	LQ			195	200	212	210	192	192	195	195	185	200	205	185	195	180	192	190	210	218	215	225			
M(3000)F2	MED			U 310	302	325	322	335	350		330	320	318	325	325	315	315	310	308	298	305				
	CNT			6	6	6	8	5	5	4	7	9	10	9	6	10	7	7	8	8	5	3	2	2	1	1
	UQ			310	315	330	355	365	352		350	342	320	338	330	320	325	315	320	305	315					
	LQ			300	280	315	315	318	338		270	315	300	302	320	285	300	305	292	285	302					
foF1	MED										U 400	410	400	400	U 400	400	395	400	390						
	CNT		1	2	3	1				1	2	6	7	7	9	11	10	8	10	9	2	1	3	2	1	
foE	MED				U 230	U 230		U 250	U 260	265	275	U 280	280	282	U 280	280	270	270	260	290		D 240				
	CNT		1	3	5	5	5	7	5	6	6	6	7	6	10	8	7	9	9	9	8	3	5	1		
h'E	MED			101	103			101	99	99	97	97	98	97	97	97	97	99	99	99	100	103	105		105	
	CNT		2	6	6	4	4	6	7	7	7	8	8	8	12	11	11	12	11	11	10	10	8	3	5	3
foEs	MED	49	32	34	34	31	26	25	26	27	28	U 28	28	28	31	31	27	29	32	29	36	46	52	44	44
	CNT	11	10	11	10	9	9	9	7	9	100	9	9	12	11	11	13	13	14	13	13	9	11	11	12

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

* Observations taken January 1 through 16 only.

TABLE 60

THULE, GREENLAND (76.4N, 68.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 23	U 23	U 26	U 21	U 22	U 23	U 24	U 23	26	U 30	U 28	U 33	33	U 40	U 39	U 35	U 34	U 32	U 32	24	U 22	U 24	U 22	U 22
	CNT	17	16	13	15	16	17	12	15	14	17	16	15	24	21	13	15	12	17	12	14	12	15	20	17
	UQ	26	25	28	24	26	26	26	27	27	34	36	37	38	42	43	43	40	36	36	28	26	34	25	24
	LQ	19	19	20	20	18	20	22	20	25	26	23	22	24	31	28	30	28	24	28	21	21	21	19	19
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	258	260	261	260	256	263	271	263	E 250	250	240	242	234	231	229	230	230	239	240	240	250	250	249	252
	CNT	28	26	29	26	27	26	25	26	26	27	26	28	30	31	29	30	29	28	28	27	27	29	26	28
	UQ	276	270	299	280	280	285	298	300	280	259	255	250	242	242	238	244	243	250	259	260	271	264	260	270
	LQ	244	250	241	245	248	243	240	245	234	231	220	228	225	220	218	221	220	220	225	234	231	238	233	237
M(3000)F2	MED	310	310	U 310	U 310	308	U 305	U 310	U 302	300	U 305	300	U 308	U 310	U 315	U 310	U 310	U 302	U 305	U 315	U 310	U 310	U 310	U 310	U 310
	CNT	13	10	9	15	12	12	9	14	11	12	12	14	19	16	10	13	12	15	9	13	9	13	13	13
	UQ	320	320	318	320	325	308	332	320	325	330	312	320	320	320	320	322	315	320	320	328	325	322	325	325
	LQ	302	300	300	300	295	288	290	300	290	292	290	300	300	295	290	282	292	285	308	302	300	295	300	302
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED								20	30			20	17	31	27	16			34	32	30			
	CNT	28	27	29	29	28	31	29	28	25	230	25	28	26	27	25	24	27	26	27	26	27	31	29	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 61

BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					U	D													U					
	CNT					26	32					25	30	35	41	38	34	30	23	20			32		32
	UQ	1	3	2	4	6	5	3	3	4	3	7	8	8	12	18	18	17	9	7	3	1	6	4	8
	LQ					28	34					29	33	40	45	44	37	34	26	21			17		34
						18	32					22	28	34	40	36	33	26	20	19			28		32
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UD																								
	LQ																								
M(3000)F2	MED																			U					
	CNT	1	1	1	3	2	3	2	2	4	1	290	305	322	325	330	315	318	310		4	3	300		310
	UQ											5	8	6	12	18	15	14	5				5	3	6
	LD											308	310	325	335	340	335	320	318				328		315
												288	292	310	318	320	300	300	300				295		300
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	63	55	43	34	33	36	40	35	39	37	32	35	35	28	22	24	26	30	35	30	35	28	33	51
	CNT	27	27	28	26	23	25	21	26	22	180	12	11	6	6	6	9	6	13	18	21	25	30	20	28

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 62

COLLEGE (FAIRBANKS), ALASKA (64.9N, 147.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			U						U	U	U	U	U	U	U		U	U	U	U	U			
	CNT	2	2	21						19	31	44	48	50	56	47	40	34	25	20	16	18			
	UQ			5	4	4	2	3	2	8	14	19	17	23	20	20	20	16	15	14	6	6	2	2	1
	LQ			24						22	34	46	52	54	59	50	43	36	27	20	18	26			
				18						18	30	38	46	47	50	42	36	30	21	18	13	14			
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UD																								
	LD																								
M(3000)F2	MED										U	U	U	U	U	U	U	U	U	U	U	U			
	CNT	1		2	2	1		1	1	4	320	345	352	340	355	352	345	340	355	338	320	2	1	1	
	UQ										10	17	16	21	18	14	17	13	7	8	6				
	LQ										335	352	360	355	365	365	352	348	360	348	325				
											315	325	350	335	340	325	330	325	350	325	310				
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	42	38	40	36	31	30	U	32	23	16	18	18	16	20		25		22	30	20	27	28	30	36
	CNT	21	24	25	24	16	15	34	12	13	120	14	8	8	8	4	5	7	7	9	11	13	16	19	20

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. DECEMBER, 1962

TABLE 63

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					U	U	U	U	U		U	U	U	U	U	U	U	U	U	U	U			
	CNT					23	23	19	16	21	34	43	48	53	53	51	46	42	32	26	25	25			
	UQ	1	1	4	3	7	11	8	8	12	23	24	27	27	24	21	18	13	12	6	5	5	3	4	2
	LQ					29	25	21	20	24	38	45	52	56	55	54	48	46	36	28	34	32			
						20	20	19	15	18	31	40	45	50	48	45	44	35	26	24	20	18			
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	42	42	40	42	35	33	34	40	23	20	17	20	21	22	20	17	30	31	37	44	46	49	40	44
	CNT	27	28	24	24	22	15	11	5	9	140	15	19	20	24	22	26	24	23	23	26	27	29	28	30

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. DECEMBER, 1962

TABLE 64

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					U				D			U					U	U	U	U				
	CNT					30				21	36	46	53	56	56	55	44	36	28	22	17				
	UQ	3	4	3	4	3	6	4	4	8	19	24	21	21	22	19	25	24	21	18	5	2	1	1	1
	LQ					31				24	40	52	58	62	63	61	47	39	30	24	20				
						25				20	34	40	48	50	50	51	38	34	22	16	16				
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED												U						U	U					
	CNT	2	2	2	3	3	3	1	3	3	348	355	360	368	355	360	355	342	338	340		1	1	1	
	UQ										18	20	21	20	20	19	23	20	18	12	2				
	LQ										355	362	375	372	365	375	370	360	350	360					
											335	350	338	348	342	350	330	325	325	320					
foF1	MED																								
	CNT																								
foE	MED																								
	CNT										2	2	3	3	3	2									
h'E	MED												120	119	125										
	CNT										4	4	6	7	5	3	1								
foEs	MED	26	25	24	26	27	24	32	40	20	20	18	18	16	15	19					22	21	32	23	26
	CNT	14	19	16	14	12	13	9	5	7	100	11	10	10	7	6	2	4	6	5	6	5	6	9	13

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. DECEMBER, 1962

TABLE 65

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	27	28	28	27	29	26	24	41	54	D 60	65	66	64	65	52	40	29	24	23	22	21	24	25
	CNT	29	25	26	27	25	27	26	28	30	30	30	27	28	27	28	29	29	29	27	30	25	27	27	27
	UQ	31	30	30	30	32	30	29	28	47	63	67	72	72	68	67	58	44	32	26	25	24	25	29	28
	LQ	25	25	25	26	26	27	23	20	38	49	55	56	61	55	60	48	36	27	22	21	20	20	22	24
h'F2	MED											220	255	234	217										
	CNT									2		5	7	8	5	1									
	UQ											245	260	248	232										
	LQ											219	239	220	214										
h'F	MED	U 278	U 285	U 274	U 267	U 274	U 262	U 237	U 250	217	221	220	219	218	E 225	220	211	208	U 220	U 235	U 238	U 245	U 269	U 257	U 262
	CNT	8	9	6	7	12	12	13	9	29	30	30	26	28	28	30	31	29	21	13	13	7	7	5	6
	UQ	300	302	290	275	288	268	248	265	227	229	225	225	224	226	226	218	220	240	248	250	285	290	272	273
	LQ	262	268	270	250	254	248	220	230	210	213	210	210	208	213	214	205	205	210	230	225	233	257	246	250
M(3000)F2	MED	305	305	310	315	305	320	342	330	350	355	365	360	365	365	365	370	355	350	350	350	340	320	305	305
	CNT	26	25	25	23	23	25	24	23	30	29	28	27	28	27	26	27	29	29	23	28	21	22	26	24
	UQ	320	318	322	320	320	338	362	340	360	370	375	375	370	375	380	380	365	362	360	355	352	330	320	322
	LQ	300	300	300	295	300	305	325	305	340	340	345	350	350	350	355	360	340	340	335	330	310	300	300	300
foF1	MED													1											
	CNT																								
foE	MED										U 200	225	U 240	240	U 230	U 215									
	CNT									3	7	12	13	11	10	11	3	1							
h'E	MED													E 116											
	CNT										3	4	3	5	2	1									
foEs	MED									E 18	22	23	24	24	U 23	U 22	E 19	20		21	24	23	31	22	
	CNT	30 7	21 7	28 6	25 7	29 8	24 8	30 8	26 9	28	260	25	21	22	22	22	21	8	4	8	8	12	6	6	3

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 66

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	22	21	23	29	29	30	25	32	50	56	62	67	69	67	67	65	64	52	42	32	25	22	21	20
	CNT	16	16	23	24	24	23	24	29	31	31	30	31	30	31	31	31	31	30	29	28	27	25	23	22
	UD	24	26	27	32	34	32	31	36	55	60	67	74	73	74	70	72	67	57	49	40	30	28	23	23
	LD	20	20	20	23	23	24	22	28	48	54	57	63	66	64	63	62	61	47	37	29	23	20	19	19
h'F2	MED										237	230	240	248	243	234	235								
	CNT										8	20	25	26	25	21	11								
	UQ										250	244	249	260	254	246	246								
	LQ										225	225	230	240	232	230	220								
h'F	MED	E 282	E 292	E 290	E 266	E 250	238	E 248	230	215	218	206	210	200	210	220	221	215	210	E 224	E 240	244	E 285	E 300	E 300
	CNT	23	24	28	28	26	25	24	30	31	31	30	30	31	31	31	31	31	31	30	30	30	26	25	26
	UQ	310	320	306	284	270	266	280	245	222	221	219	220	210	220	225	233	220	222	230	250	270	340	336	320
	LD	265	274	275	258	240	230	232	220	210	207	200	202	195	200	215	212	210	203	215	229	238	260	286	275
M(3000)F2	MED	310	305	310	310	312	330	325	335	365	360	355	350	342	345	345	345	350	340	335	330	330	310	305	310
	CNT	15	14	19	21	20	21	24	28	31	29	29	31	30	31	31	31	31	30	27	27	26	22	19	22
	UQ	315	315	310	320	328	338	338	350	370	370	365	360	350	355	355	355	360	345	340	335	340	325	310	320
	LQ	305	300	300	305	302	315	310	318	360	355	348	335	340	335	335	335	340	325	320	320	315	305	290	305
foF1	MED																								
	CNT											1	3	3	1	1									
foE	MED									200	U 230	U 258	280	U 275	272	U 258	225								
	CNT									18	10	8	12	12	10	6	9	4							
h'E	MED									E 130	E 114	E 112	110	110	110	110	115								
	CNT									15	24	26	30	28	27	25	26	3							
foEs	MED									57	43	54	36	21	23	28	29	30	27	26	23	19	38	22	35
	CNT	3	30 7	30 9	52 8	57 7	43 7	54 12	36 14	7	7	12	14	27	300	29	30	30	29	29	28	28	8	9	13	8	7	10	3

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 67

WASHINGTON, D.C. (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	23	24	U 28	31	32	30	26	30	50	57	62	69	70	70	69	66	66	55	43	34	29	26	23	24
	CNT	29	29	28	29	28	27	28	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	30	28
	UQ	27	30	33	35	35	36	30	36	54	62	66	75	75	75	72	69	72	60	49	41	32	30	26	28
	LQ	19	19	22	24	28	27	23	27	47	54	55	64	66	68	62	62	62	50	37	30	25	22	20	21
h'F2	MED										230	240	245	250	250	245	240	230							
	CNT									2	17	27	31	30	26	27	24	8							
	UQ										240	245	250	260	255	255	248	238							
	LQ										228	230	240	240	245	240	230	220							
h'F	MED	E 285	E 290	E 288	265	E 250	240	E 250	E 240	220	220	215	210	212	215	210	220	222	E 215	230	235	E 242	E 275	E 290	280
	CNT	29	27	30	30	28	28	28	31	31	30	29	30	30	31	30	30	30	31	31	30	30	29	27	27
	UQ	320	310	300	270	268	260	275	260	230	230	225	220	220	225	220	230	230	225	240	245	260	295	305	330
	LQ	270	275	270	255	240	232	235	230	215	205	202	195	200	200	205	215	220	210	220	220	235	258	270	270
M(3000)F2	MED	310	300	305	310	310	325	320	330	360	360	355	345	345	340	340	340	350	340	330	335	330	310	305	300
	CNT	22	23	24	24	25	23	25	31	31	31	30	30	31	31	31	31	29	31	31	30	30	28	23	23
	UQ	315	305	310	318	320	340	332	340	365	370	365	350	350	355	350	350	358	350	340	350	340	320	320	315
	LQ	300	290	300	300	302	310	310	315	350	350	340	340	330	330	330	335	340	335	315	320	320	300	300	300
foF1	MED													2											
	CNT																								
foE	MED									185	225	255	275	280	270	255	230	180							
	CNT									18	23	25	27	27	27	25	27	11							
h'E	MED									E 129	115	111	111	111	E 113	112	116	E 131							
	CNT									10	27	28	28	27	29	30	30	13							
foEs	MED					28		32	38	20	24	30	30	31	30	28	25	21	32	32	31	31	37	32	31
	CNT	2	3	2	3	8	3	7	5	31	310	31	30	31	31	31	31	31	17	15	13	9	5	7	7

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 68*

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	33	33	33	34	32	31	45	59	64	66	71	85	84	81	75	68	57	41	32	29	30	30	31
	CNT	24	24	23	25	24	22	23	23	25	22	21	24	25	25	24	23	22	22	21	21	17	21	24	25
	UD	39	39	39	40	36	35	38	48	64	70	76	82	90	90	88	79	73	63	44	40	34	34	33	37
	LD	29	31	30	28	31	27	28	43	56	61	62	66	77	74	70	67	65	44	32	26	26	26	26	29
h'F2	MED										242	260	253	268	255	252	248								
	CNT									3	11	16	21	22	25	21	12	1							
	UQ										250	270	286	278	268	260	250								
	LQ										240	244	239	250	244	250	241								
h'F	MED	275	269	256	251	E 250	E 270	E 270	239	230	232	220	210	217	220	225	225	230	220	230	242	253	270	E 262	E 280
	CNT	26	27	26	26	26	26	26	25	26	23	21	25	25	22	23	21	23	22	23	22	17	21	24	25
	UQ	285	280	270	269	268	300	298	250	236	240	230	226	230	231	240	240	238	228	245	280	262	300	292	300
	LQ	260	250	248	240	236	250	253	230	222	210	207	200	200	200	210	213	225	218	219	225	232	238	243	270
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED													430											
	CNT												2	5											
foE	MED									220	250		298	310	302	290									
	CNT									18	8	4	8	8	10	10	3	1							
h'E	MED									122	112	110	110	110	112	116	115	E 120							
	CNT									23	22	20	22	22	21	22	20	12	1						
foEs	MED	30	30	25	25	24	28	25	22	22	28	32	37	36	34	34	33	29	26	33	36	35	38	31	32
	CNT	17	13	11	7	11	14	15	20	25	230	22	25	25	25	24	23	23	22	17	20	21	19	20	19

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

* Notice from Review Group "All heights were in error by 5.4% at beginning of December and increased until December 26, when a 6.5% error was found, which necessitates a corresponding reduction. All MUF factors are C."

TABLE 69

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	40	43	41	39	35	32	46	62	66	71	64	68	73	72	72	68	63	44	36	35	36	37	38
	CNT	28	29	31	28	30	29	29	31	31	31	31	31	31	30	30	31	30	31	28	27	28	30	30	28
	UQ	41	42	45	43	41	38	36	50	65	70	77	67	73	76	77	80	71	65	50	39	40	40	40	42
	LQ	34	37	42	38	35	32	30	43	59	62	65	62	66	67	66	65	64	59	38	30	30	34	35	36
h'F2	MED										238	247	252	263	276	255	250	230							
	CNT									1	15	26	27	27	24	28	29	18							
	UQ										245	258	260	275	282	266	258	238							
	LQ										230	239	241	252	257	249	242	222							
h'F	MED	250	258	239	231	230	E 236	E 250	229	229	229	222	210	E 212	215	E 220	E 224	228	219	210	E 240	E 246	E 248	248	E 249
	CNT	30	31	31	31	30	30	31	31	31	31	29	29	27	23	25	24	24	31	28	27	28	30	30	27
	UQ	268	265	250	241	248	251	265	239	235	235	231	223	222	238	231	230	233	225	218	260	262	240	250	260
	LQ	241	248	230	220	220	220	240	220	220	220	218	204	203	200	209	205	219	210	204	224	239	240	239	220
M(3000)F2	MED	330	320	328	330	330	320	310	350	355	355	350	348	340	330	340	345	360	350	350	318	320	325	320	320
	CNT	27	28	30	27	27	27	27	30	30	30	30	30	29	30	29	29	28	31	28	26	27	29	29	27
	UQ	320	322	340	355	350	335	320	350	365	365	370	355	350	345	355	352	360	360	362	335	330	330	338	345
	LQ	305	308	320	315	315	310	305	340	345	345	345	335	330	315	330	338	350	340	335	300	300	310	315	300
foF1	MED											1	3	410	1	3	2								
	CNT													5											
foE	MED								180	215	252	285	300	310	305	300	270	230							
	CNT								15	27	24	21	19	21	23	27	24	25	4						
h'E	MED								E 153	E 123	E 116	113	112	112	111	112	E 115	120							
	CNT								9	26	29	28	29	30	29	27	25	24	2						
foEs	MED	25	32	22	23	26	26	23	18	0 22	29	33	35	35	36	34	31	28	29	32	32	32	26	27	30
	CNT	9	9	10	13	10	12	11	30	31	310	30	31	31	31	30	31	31	31	23	20	17	16	14	14

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 70

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	U	27	28	27	U	U	39	62	80	93	92	90	104	107	99	77	64	49	34	29	34	35	28
	CNT	26	27	24	21	20	20	22	31	31	31	31	31	31	30	31	31	31	30	30	29	29	27	24	26
	UQ	32	33	36	36	24	20	22	42	65	86	103	96	100	111	120	111	90	75	55	38	34	39	40	37
	LQ	22	23	26	23	18	18	18	35	59	73	84	81	75	90	94	87	70	59	45	29	24	28	29	27
h'F2	MED									3	270	260	260	285	280	265	245	235							
	CNT										23	30	26	30	28	31	30	25	1						
	UQ										280	270	270	300	302	270	255	240							
	LQ										265	255	250	270	270	250	240	228							
h'F	MED	248	260	235	218	E 209	260	E 288	245	235	230	220	E 208	205	202	212	E 220	228	220	205	210	E 228	E 242	E 240	E 230
	CNT	28	29	29	26	26	24	22	31	30	31	28	26	28	20	28	18	20	28	30	25	18	22	27	26
	UQ	280	295	252	230	235	295	305	255	240	240	230	210	215	218	230	230	235	220	215	222	265	255	255	235
	LQ	232	240	225	200	205	218	260	240	225	220	210	200	192	198	200	210	215	215	200	205	235	230	220	225
M(3000)F2	MED	310	320	340	355	345	292	305	330	338	335	345	328	315	320	335	350	360	370	370	358	310	310	345	340
	CNT	24	22	22	16	13	16	18	31	30	31	31	30	30	30	30	31	31	30	30	26	26	24	24	25
	UQ	325	330	360	375	370	308	315	340	350	340	355	350	320	330	340	360	370	380	375	370	335	332	352	358
	LQ	300	310	320	335	310	288	285	315	330	320	330	315	300	305	325	335	350	355	360	340	300	300	328	325
foF1	MED												4	440	430										
	CNT													7	5	4									
foE	MED								U 150	225	270	295	U 315	U 320	U 320	D 300	D 285	258	195						
	CNT						1	1	8	30	29	26	18	13	12	13	15	12	12	1					
h'E	MED								E 145	113	107	105	105	105	105	105	105	109	117						
	CNT							1	6	29	29	30	28	27	25	23	21	21	11						
foEs	MED	22	22	21	21	22	22	22	23	25	31	35	35	36	40	36	39	33	31	31	30	27	24	26	23
	CNT	31	30	30	30	31	31	31	31	31	310	31	31	31	31	31	31	31	31	31	31	31	31	31	30

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 71

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	55	52	40	40	U 31	23	30	61	76	89	95	99	100	105	102	102	104	103	102	100	94	84	70	63
	CNT	12	12	9	6	8	9	22	29	31	30	31	30	31	31	31	30	30	31	29	29	30	29	22	13
	UQ	62	64	51	41	32	28	36	64	82	93	100	104	108	110	110	109	110	110	110	106	100	96	85	70
	LQ	42	38	22	28	23	20	27	57	74	85	90	90	94	95	95	96	96	94	93	87	77	64	48	54
h'F2	MED										300	310	335	342	335	325	315	300	270						
	CNT									3	15	24	21	28	29	21	11	10	5						
	UQ										305	320	362	360	350	345	325	310	288						
	LQ										290	295	328	330	322	308	300	295	270						
h'F	MED	F 238	E 235	240	240	240	250	265	240	220	210	200	190	190	200	200	198	E 205	E 240	250	235	232	220	225	230
	CNT	22	22	17	14	14	11	26	29	29	27	27	28	24	23	20	18	16	15	30	29	30	28	25	21
	UQ	250	240	255	255	250	280	275	242	230	220	215	200	202	210	200	210	218	240	252	245	240	240	240	258
	LQ	230	230	222	230	230	230	260	230	200	190	180	180	180	180	188	180	192	230	245	230	220	220	218	222
M(3000)F2	MED	335	340	338	342	U 350	332	318	330	320	310	295	275	260	268	270	270	288	298	320	330	340	340	330	315
	CNT	8	11	8	6	9	8	22	29	30	30	31	30	31	30	31	30	30	30	29	27	30	30	19	10
	UQ	352	340	360	350	360	345	330	340	335	325	310	290	285	280	286	290	300	310	325	340	350	350	340	328
	LQ	322	335	328	340	335	325	300	322	300	290	285	260	255	235	250	250	270	285	302	325	330	325	320	300
foF1	MED											450	455	460	460	455									
	CNT										1	8	16	21	19	12	1								
foE	MED								U 205	265	300	330	U 340	U 340	U 350	U 335	U 320	U 300	U 260						
	CNT								15	22	22	19	24	22	21	21	18	17	11	3					
h'E	MED								E 119	111	109	109	109	109	111	109	111	111	115	E 129					
	CNT								21	31	28	28	29	27	29	28	27	26	26	5					
foEs	MED	42	32	30	28	25	30	31	29	32	37	40	34	40	42	45	42	45	42	47	44	44	36	32	36
	CNT	28	25	23	20	23	20	20	31	31	310	31	30	31	31	31	30	30	31	30	29	29	27	27	28

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1962

TABLE 72

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	38		23	18	18	53	72	82	88	90	88	86	86	91	95	98	95	95	91	80	69	56	58
	CNT	6	6	4	5	8	16	29	30	29	28	29	29	26	28	28	25	26	27	28	29	22	18	12	7
	UQ	52	45		31	40	32	56	76	86	93	94	94	92	100	100	100	104	106	99	94	86	76	77	64
	LQ	31	25		17		16	49	69	77	82	81	80	77	80	82	88	90	86	90	86	77	63	52	42
h'F2	MED								1	298	332	360	365	360	360	355	330	310							
	CNT									12	14	25	26	24	23	23	11	7	1						
	UQ									312	350	372	380	385	380	365	340	330							
	LQ									290	320	348	350	348	340	335	320	300							
h'F	MED	282	295	288	258	260	280	240	225	210	200	195	190	190	188	190	200	E 205	235	255	260	270	285	318	305
	CNT	14	12	8	8	12	20	31	31	31	30	30	29	29	30	29	27	28	29	30	30	23	21	20	15
	UQ	325	340	330	305	350	378	245	230	220	205	200	198	195	195	200	210	222	240	260	270	300	328	335	320
	LQ	270	250	245	238	240	242	230	215	200	195	195	190	185	180	185	195	200	230	250	245	250	255	280	295
M(3000)F2	MED	292	322			325	298	330	330	315	285	260	260	255	260	268	282	290	290	295	300	290	282	284	275
	CNT	6	6	4	4	5	16	31	31	31	29	29	28	27	30	28	26	28	27	29	29	23	18	12	7
	UQ	305	340			355	[illegible]	[illegible]	[illegible]	325	302	280	272	270	270	278	295	300	310	315	318	320	320	310	310
	LQ	280	310			320	[illegible]	[illegible]	[illegible]	295	268	250	250	240	245	255	250	262	275	280	278	270	270	272	265
foF1	MED										440	450	450	460	450	440									
	CNT										7	16	20	16	15	7	1								
foE	MED							185	260	300	330	355	365	U 368	U 365	U 350	U 325	U 290	U 250	170					
	CNT							28	30	29	28	29	29	26	28	26	21	17	13	7					
h'E	MED							124	111	109	105	105	105	106	106	107	109	111	113	E 143					
	CNT							28	31	30	28	29	28	28	30	29	25	24	14	5					
foEs	MED	41	18			15	28	19	27	49	70	74	72	74	70	70	60	57	54	44	45	40	39	40	40
	CNT	17	20	17	18	25	23	30	31	29	270	29	28	27	26	26	23	25	24	23	19	10	12	12	14

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. DECEMBER, 1962

TABLE 73

LA PAZ, BOLIVIA (16.5S, 68.1W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED							42	64	76	82	86	86	87	88	91	94	94	U 96	U 97	94	80			
	CNT			1	1	1	1	14	16	15	12	13	8	11	10	12	9	10	12	13	10	8	3	2	1
	UQ							42	68	82	86	90	94	97	101	96	94	99	107	104	95	82			
	LQ							40	61	74	78	79	73	79	83	83	86	90	90	90	90	80			
h'F2	MED											375	358	370	370	352	340								
	CNT									4		11	6	9	9	6	5	2	2						
	UD											380	390	385	400	365	345								
	LQ											340	350	360	345	350	325								
h'F	MED							252	230	210	208	205	190	200	200	200	205	210	E 225	240	265	300			
	CNT		1	1	1		3	12	14	13	8	13	7	10	11	9	9	7	7	9	10	8	4	2	3
	UQ							265	235	222	220	215	195	200	215	208	218	215	235	245	270	312			
	LQ							245	225	210	200	200	180	190	190	192	185	200	210	222	260	292			
M(3000)F2	MED							330	325	308	295	270	255	260	250	258	260	U 270	U 280	U 275	U 282	280			
	CNT			1	1	1	1	11	15	14	11	11	8	10	9	10	9	9	7	11	8	7	3	2	1
	UQ							340	325	320	310	280	268	265	268	265	270	280	295	290	295	290			
	LQ							320	315	295	275	250	252	260	240	255	250	250	270	250	270	265			
foF1	MED														460										
	CNT											1	2	2	5	1	1								
foE	MED								U 225			U 340						U 310							
	CNT							2	6	3	4	5	2	2	1	4	3	5	3	4					
h'E	MED								E 119	E 115		111													
	CNT								7	6	2	6	2	1		1	2	2	2	4	1				
foEs	MED	25	26	22		38	35	39	30	36	48	50	50	54	56	56	54	50	47	38	23	26	22		20
	CNT	5	7	6	4	7	5	11	16	14	100	12	9	10	10	12	9	11	11	12	7	6	5	1	7

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. DECEMBER, 1962

TABLE 74

BYRD STATION, ANTARCTICA (80.0S, 120.0W) TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	49	49	48	48	46	46	47	U 47	49	52	54	52	53	56	59	56	U 56	53	U 54	U 50	U 50	46	U 47
	CNT	10	18	17	19	21	20	21	20	24	22	26	27	25	24	21	19	20	17	15	14	10	10	10	7
	UQ	54	50	54	51	50	48	48	48	50	50	55	56	56	60	61	69	66	69	66	59	57	52	49	55
	LQ	48	47	44	45	45	45	43	44	44	47	49	50	50	50	49	52	50	49	47	47	47	47	41	44
h'F2	MED	350	368	315	312	315	302	310	350	375	375	350	345	340	342	332	330	320	340	320	340	345	332	418	330
	CNT	15	16	11	12	9	10	9	11	15	19	25	25	24	24	20	22	19	21	17	20	8	8	10	11
	UQ	380	385	345	355	322	345	380		560	470	392	420	418	410	380	365	400	388	355	378	400	408	465	380
	LQ	315	325	280	278	295	285	280	300	320	340	308	312	320	320	320	305	305	312	302	315	315	298	330	285
h'F	MED	265	210	235	222	225	210	208	200	220	228	205	210	200	200	205	212	210	228	232	260	U 240	225	240	238
	CNT	8	5	14	16	16	19	20	19	22	20	23	18	19	19	15	20	13	12	14	11	5	5	7	6
	UD	280	260	270	238	230	225	215	235	235	240	220	220	215	220	235	230	222	240	260	280	276	268	260	255
	LQ	200	192	220	205	215	200	200	190	210	205	200	200	195	190	195	198	202	215	220	220	238	212	230	230
M(3000)F2	MED	295	300	305	310	320	320	328	320	310	308	310	300	300	300	308	300	300	298	295	308	U 310	U 295	310	U 290
	CNT	7	16	12	16	17	17	16	19	17	20	19	22	21	21	16	19	18	12	13	8	5	6	7	5
	UQ	300	310	318	320	328	328	345	340	335	320	330	320	318	318	315	315	310	300	310	312	322	320	325	318
	LQ	290	295	300	305	315	308	318	300	272	280	265	275	272	270	275	280	285	288	285	300	275	275	265	285
foF1	MED			350					380	390	400	400	U 400	400	400	400	395	390	390	U 380	370				
	CNT	4	4	5	1	2	1	4	5	9	14	16	14	18	21	18	16	10	11	12	5	1	1	2	3
foE	MED		U 220	240	238	240	250	250	260	260	270	270	280	U 280	U 280	275	272	270	275	265	280	235	240	235	
	CNT	4	6	9	14	12	14	18	13	16	15	21	23	19	18	13	20	16	12	12	16	8	5	6	4
h'E	MED	E 111	106	102	101	101	103	101	101	101	101	103	103	101	103	101	102	101	101	102	103	105	105	105	107
	CNT	5	8	12	15	13	16	20	16	14	13	22	23	24	22	20	22	20	15	16	17	16	11	11	9
foEs	MED	42	42	42	32	O 30	30	25	27	30	27	30	28	U 28	U 28	28	27	30	34	33	42	44	40	41	40
	CNT	28	28	29	28	25	25	21	19	19	150	24	25	26	25	24	27	25	26	24	27	24	23	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. DECEMBER, 1962

TABLE 75

BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	31	31	33	28	30	33	38	31	34	39	46	49	52	52	50	45	37	27	28	29	27	33	31
	CNT	2	3	3	1	2	3	3	7	6	5	12	10	12	18	19	17	20	9	9	6	1	3	3	4
	UQ		34	33			32	34	47	36	34	40	48	52	60	60	54	48	44	30	33		34	34	38
	LQ		24	30			26	30	30	29	34	34	42	45	47	45	40	38	34	24	24		24	28	28
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED		310	290		290	290	290	275	275	300	310	315	320	325	320	320	310	300	300	305	300	325	310	340
	CNT		3	2		2	3	1	4	2	2	10	9	9	15	18	15	16	4	4	4	1	2	2	1
	UQ		315				290		290			320	325	330	330	330	325	320	310	320	310				
	LQ		310				285		260			305	310	310	320	300	305	300	300	290	285				
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	55	50	42	48	40	35	36	34	36	35	33	22	18	26		22	22	26	27	32	30	32	42	50
	CNT	25	22	24	22	22	26	23	22	22	170	12	8	6	6	5	8	8	10	20	23	25	27	27	26

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1962

TABLE 76

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	31	31	31	32	32	32	40	56	66	74	80	77	72	68	64	53	40	29	26	26	26	28	30
	CNT	23	25	25	25	27	29	30	30	29	30	30	30	30	30	30	30	29	30	28	23	22	25	26	26
	UD	33	34	36	36	36	35	36	45	58	71	82	83	81	78	75	71	57	44	34	28	28	28	33	32
	LD	27	26	28	28	29	28	28	33	50	59	69	73	72	65	65	59	44	31	26	24	23	22	27	26
h'F2	MED									225	230	235		230	229										
	CNT									5	15	20		19	13										
	UQ									228	238	240		238	232										
	LQ									224	225	225		216	224										
h'F	MED	U 285	U 283	U 294	U 292	U 292	U 280	U 255	234	220	215	219	E 215	220	219	220	215	206	U 215	U 239	U 255	U 250	E 300	E 280	U 283
	CNT	25	25	27	27	28	27	29	29	28	29	29	30	30	30	30	30	30	29	27	25	18	23	28	26
	UQ	300	298	310	306	308	300	272	242	225	225	225	224	227	224	225	220	215	229	260	275	261	314	292	295
	LQ	267	268	277	273	280	265	240	217	214	214	208	203	210	214	215	210	202	210	225	238	245	275	256	265
M(3000)F2	MED	310	305	300	305	300	300	320	340	355	355	345	350	350	360	355	368	360	350	340	340	335	310	312	310
	CNT	21	22	23	23	25	27	25	29	28	29	28	30	30	30	30	30	29	29	24	21	20	20	26	24
	UD	325	310	310	310	310	310	332	345	365	360	355	360	360	365	370	375	370	368	360	360	345	320	325	325
	LQ	300	300	290	290	285	295	308	320	348	342	335	345	340	350	350	360	350	335	328	330	330	302	310	302
foF1	MED																								
	CNT																								
foE	MED										U 238	U 250	U 255	U 260	U 255	U 225									
	CNT									3	12	12	15	19	14	6	2								
h'E	MED										E 125	E 123	E 120	E 120	E 120	E 125	E 143								
	CNT									2	15	15	15	20	15	12	5								
foEs	MED	28	22	26	29	29	29	30	21	E 23	O 24	26	26	U 26	U 26	23	22	24	26	28	30	28	35	30	29
	CNT	10	12	12	14	13	10	10	15	26	260	29	28	28	27	29	29	19	19	18	11	15	13	11	10

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1962

TABLE 77

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	28	25	27	28	28	26	47	61	67	68	75	78	77	74	74	69	57	48	42	33	30	28	27
	CNT	22	20	19	15	18	21	22	28	29	29	28	28	27	27	28	28	28	27	28	28	25	24	23	25
	UQ	31	33	34	35	32	32	30	50	63	70	73	78	85	79	80	80	76	67	54	44	38	32	30	30
	LQ	24	23	23	24	25	24	23	38	56	60	62	68	66	68	70	66	62	55	46	36	30	26	24	23
h'F2	MED									232	242	250	267	264	255	258	246								
	CNT									7	19	21	24	24	26	25	14								
	UD									235	252	262	278	270	265	266	259								
	LD									226	235	240	254	256	248	248	237								
h'F	MED	F 300	F 298	F 292	F 292	E 270	E 268	E 264	232	230	224	214	205	220	221	231	240	239	222	234	240	E 255	E 275	E 300	E 300
	CNT	24	22	28	25	27	25	24	28	29	28	28	27	25	24	28	26	28	28	28	28	27	26	22	25
	UQ	312	313	309	312	285	283	295	240	240	235	228	218	230	235	250	253	240	232	250	266	268	300	308	309
	LD	291	280	280	278	260	245	248	224	220	210	204	200	211	219	226	230	223	216	222	230	245	265	280	279
M(3000)F2	MED	290	300	295	300	300	310	305	332	345	335	330	325	330	335	332	335	335	325	315	310	315	300	300	300
	CNT	21	14	17	14	16	19	19	28	29	29	27	27	27	27	28	27	27	* 26	28	26	23	23	19	21
	UD	310	310	300	310	315	325	320	342	350	348	340	340	335	340	340	340	340	330	322	320	320	320	310	302
	LQ	280	290	282	280	292	290	300	320	335	330	310	320	315	330	320	330	330	310	302	305	300	290	280	280
foF1	MED										1	1	4	3	1	1									
	CNT																								
foE	MED									222	U 250	282	U 298	300	300	U 370	U 240	195							
	CNT								3	14	11	16	16	16	13	12	9	5							
h'E	MED									117	115	118	115	118	120	115	120	E 130							
	CNT								2	17	21	19	21	19	18	17	13	6							
foEs	MED	21	21	26				E 38	19	22	U 25	28	U 30	30	30	U 27	24	21	34	28	30			35	28
	CNT	7	5	6	2	2	3	7	23	26	250	34	22	22	22	19	19	17	5	7	6	1	3	5	8

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1962

TABLE 78

WHITE SANDS, NEW MEXIC. (32.3N, 106.4W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	36	37	38	36	36	35	55	71	76	80	79	80	81	81	77	70	60	44	34	29	30	34	34
	CNT	30	28	30	29	27	27	26	30	30	30	30	30	28	30	29	29	29	30	28	26	25	27	28	29
	UQ	38	40	40	42	40	39	38	58	77	82	84	85	85	86	84	84	76	67	49	38	33	33	36	38
	LQ	33	33	34	35	33	33	32	53	67	73	74	73	73	75	76	69	66	55	36	31	26	28	28	31
h'F2	MED									243	246	250	259	260	264	260	248								
	CNT									14	26	27	25	22	24	26	18								
	UQ									250	250	259	263	269	270	265	260								
	LQ									239	240	241	244	250	255	259	240								
h'F	MED	E 275	272	E 274	250	248	262	270	239	230	220	215	210	210	230	232	235	230	220	221	248	250	270	E 268	E 280
	CNT	30	30	30	30	30	30	30	30	30	30	29	29	28	29	28	29	29	30	29	27	25	27	28	29
	UQ	299	290	285	270	264	290	279	245	239	229	228	220	226	240	240	242	237	221	229	250	272	300	280	300
	LD	266	258	260	240	240	250	255	230	221	205	204	200	200	208	222	230	230	215	210	225	236	250	251	250
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LD																								
foF1	MED											410													
	CNT											5	2	3											
foE	MED								185	245	280	300	318	320	310	300	270	222							
	CNT								14	15	18	22	20	18	22	22	13	8	2						
h'E	MED								E 133	118	110	110	116	116	115	115	117	E 120							
	CNT								10	27	26	25	28	26	26	29	25	26	2	1					
foEs	MED	34	30	34	29	26	27	26	19	D 26	29	31	34	34	33	31	29	26	22	32	36	34	35	40	31
	CNT	20	12	10	8	9	17	16	28	30	300	30	30	28	30	29	29	29	25	24	24	25	22	22	24

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1962

* Notice from Review Group: "Heights are in error approximately 5% and need a corresponding reduction
No calibration has been made since September. Error is known to be 5.4%
from November 26th and later, which necessitates a corresponding reduction
All MUF factors are C."

TABLE 79

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	40	41	40	39	38	37	57	72	76	80	80	80	83	84	78	75	67	50	39	36	37	39	40
	CNT	29	28	30	29	29	28	29	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	28
	UQ	43	44	47	46	42	41	40	59	74	81	83	85	85	90	93	88	79	73	56	44	40	40	40	42
	LD	38	38	38	39	36	34	34	54	68	73	75	75	76	77	77	73	72	63	44	32	33	35	35	36
h'F2	MED								230	240	250	253	260	269	268	261	249	235							
	CNT								1	8	23	27	27	27	26	28	25	20							
	UQ									252	258	268	265	274	277	270	252	240							
	LD									233	243	249	251	258	260	250	242	230							
h'F	MED	260	251	252	250	240	250	250	230	220	224	218	208	208	219	227	229	234	220	218	240	255	255	256	260
	CNT	30	30	30	30	30	30	30	30	29	30	30	30	30	30	28	29	28	30	30	29	30	30	30	29
	UQ	270	270	269	260	255	267	263	235	232	235	230	219	226	228	237	237	240	228	225	250	272	267	270	270
	LQ	249	240	235	230	235	239	240	225	210	205	210	200	200	203	218	216	230	215	209	225	239	239	247	244
M(3000)F2	MED	315	320	315	320	310	310	310	340	350	340	340	340	330	330	330	340	340	340	335	320	310	315	310	310
	CNT	28	28	29	29	29	28	28	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	25	26
	UQ	320	320	320	330	320	320	315	350	355	350	345	345	335	340	340	345	350	350	350	330	330	320	320	320
	LQ	310	300	300	310	300	300	310	330	340	335	330	325	320	320	325	330	340	335	330	310	300	300	295	300
foF1	MED												450		420	420									
	CNT												1		2	3									
foE	MED								180	240	280	300	315	330	310	310	280	230	180						
	CNT								14	19	18	12	8	12	13	18	25	16	6						
h'E	MED								149	120	115	118	118	118	118	120	119	120	138						
	CNT								15	27	29	28	30	30	29	29	27	22	6						
foEs	MED	23	27	22	21	21	24	22		17	21	30		34	34	32	32	28	22	30	25	26	27	24	26
	CNT	6	7	7	5	4	5	6	30	30	290	29	29	30	30	30	30	30	30	20	19	17	14	10	7

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1962

TABLE 80

LA PAZ, BOLIVIA (16.5S, 68.1W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				55	44	38	48	75	83	87	D 96	93	95	D 100	104	104	D 103	D 100	95	94	90	86	85	80
	CNT	1		4	8	12	12	15	22	23	23	22	21	21	21	21	22	22	21	21	21	19	12	8	5
	UD				64	51	43	52	77	87	93	103	106	102	109	110	113	110	110	108	105	97	90	90	84
	LD				46	31	28	45	70	80	85	86	86	90	91	94	95	95	92	88	84	85	74	78	74
h'F2	MED											330	335	338	330	340									
	CNT									4	9	12		14	14	8	2	2							
	UD											345	350	340	340	348									
	LQ											305	320	325	325	315									
h'F	MED	320	290	255	240	240	245	255	235	220	210	205	205	202	200	205	200	E 210	218	245	270	300	310	315	345
	CNT	9	10	15	15	18	16	20	21	17	17	17	17	16	16	15	14	18	16	17	19	16	12	12	10
	UQ	335	310	280	260	270	250	260	238	228	215	215	210	210	202	210	205	215	230	250	280	310	322	335	365
	LQ	285	270	240	230	235	240	250	230	212	200	195	200	200	200	200	200	200	210	240	265	278	300	295	320
M(3000)F2	MED				335	340	325	320	322	310	290	275	260	265	262	262	265	265	255	260	265	250	260	265	260
	CNT	1		4	7	11	11	15	22	23	23	21	19	19	20	18	19	20	19	15	18	17	10	7	5
	UD				350	340	340	330	335	325	310	298	295	280	272	275	280	282	270	270	275	270	265	270	265
	LQ				330	320	320	315	315	290	255	252	250	250	255	255	245	252	245	250	255	248	250	260	250
foF1	MED											1	3	1	4										
	CNT																								
foE	MED									U 295							U 340	U 310	U 270						
	CNT							3	8	5	4	3			1	3	5	9	5	3					
h'E	MED								119	111	111	111					E 111	E 111	E 115						
	CNT								13	9	8	6	4	2	1	3	5	6	11						
foEs	MED	35	26	24	24	22	F 16	44		46	50	54	55	60	58	53	55	56	54	45	70	28	29	30	34
	CNT	9	14	16	13	10	12	14	23	22	210	19	19	17	18	20	22	24	22	20	11	9	10	12	13

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. NOVEMBER, 1962

TABLE 81

THULE, GREENLAND (76.4N, 68.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 31	U 25	U 26	U 20	U 22	U 26	28	U 33	35	40	42	44	46	44	44	44	41	46	U 38	U 40	U 36	U 28	U 31	U 30
	CNT	19	12	14	15	13	17	18	25	23	26	30	28	27	24	28	25	21	25	12	20	13	15	19	19
	UQ	37	30	27	25	28	29	34	39	40	43	47	48	49	46	48	48	49	48	46	46	40	35	35	34
	LQ	24	22	22	18	19	21	22	27	32	36	38	37	40	38	40	38	37	40	36	38	32	25	26	20
h'F2	MED								1		2	3	351	290											
	CNT												6	6	2	3	1								
	UQ												490	322											
	LQ												269	276											
h'F	MED	256	261	260	280	278	270	255	253	248	244	248	243	250	244	250	254	248	240	248	240	248	255	255	265
	CNT	30	25	21	25	27	29	31	31	30	28	31	29	27	28	28	29	30	31	30	30	30	31	29	29
	UQ	280	288	280	298	302	292	270	265	263	252	258	259	259	254	252	260	266	250	260	266	264	280	280	290
	LQ	240	240	236	250	263	240	243	245	235	240	240	230	240	234	238	240	239	230	235	232	235	238	241	240
M(3000)F2	MED	U 300	U 288	U 290	U 300	U 280	292	300	310	318	322	318	310	315	325	305	310	305	305	U 300	U 300	300	300	300	300
	CNT	13	10	10	10	7	14	16	20	22	26	28	28	27	22	27	24	20	24	11	20	10	11	14	16
	UQ	312	300	310	310	290	300	310	320	325	335	325	328	325	330	315	315	312	318	305	315	305	305	300	310
	LQ	285	275	260	285	265	275	288	302	305	300	302	298	300	310	290	300	298	300	290	290	280	280	295	290
foF1	MED										1	1	2												
	CNT																								
foE	MED								U 150	170															
	CNT						4	4	5	5	3	2	2	2	1			1	1						
h'E	MED							116	112	108															
	CNT			1			4	10	9	9	3	4	4	2	3	1	2	1	1	1					
foEs	MED								U 15	17	30	20	21	26	24	25	30	31	38	35	26	34	28		
	CNT	28	25	29	28	23	24	23	19	17	120	14	16	20	16	17	22	21	23	21	20	20	26	27	25

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1962

TABLE 82

BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					U 28				41	45	42	46	45	52	49	48	48	42	U 33	U 29	31	U 33		
	CNT	4	4	3	3	7	3	4	4	8	7	10	12	15	17	23	27	25	17	12	5	8	5	3	4
	UQ					33				46	50	48	51	52	55	57	57	54	46	39	36	34	40		
	LQ					25				36	41	40	40	42	45	46	44	42	37	30	24	27	24		
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED					290				295	302	315	305	308	300	310	308	310	305	U 315			U 285		
	CNT	4	2		1	6	2	1		6	6	10	12	14	17	23	26	22	15	5	3	4	5	3	2
	UQ					360				300	320	320	310	315	318	315	320	320	315	328			300		
	LQ					285				290	295	290	290	300	298	300	295	300	295	288			280		
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	54	50	44	50	39	38	41	41	D 36	33	31	30	28	25		20	26	D 27	30	30	32	46	62	58
	CNT	27	25	24	22	21	17	24	17	20	80	13	12	10	8	4	8	15	21	24	28	26	28	27	28

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1962

TABLE 83

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			U 28					36	43	50	56	60	U 59	U 57	U 56	U 51	U 45	U 42	U 40		U 39			
	CNT	2	4	5	2	3	1	3	10	13	22	26	28	24	22	20	16	18	15	11	4	5	3	4	2
	UQ			34					38	47	55	60	64	66	67	62	60	54	45	45		42			
	LQ			28					35	39	43	49	54	55	55	49	44	42	36	37		34			
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	41	37	40	41	45	41	37	32	23	25	24	23	22	20	20	22	25	33	39	51	56	62	47	48
	CNT	23	26	26	25	25	14	9	8	7	60	6	10	16	15	20	27	28	29	28	30	26	29	27	22

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. OCTOBER, 1962

TABLE 84

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	U 27	U 26	U 24	U 21	U 20	U 22	U 24	U 35	U 39	44	48	52	56	58	59	54	55	48	43	34	U 21	U 20	U 18	U 22
	CNT	6	13	10	12	6	8	15	17	16	15	18	19	20	18	20	23	23	22	25	21	18	17	14	13
	UQ	28	34	30	28	26	22	29	38	42	47	53	58	63	62	66	63	59	57	47	37	23	22	24	30
	LQ	24	22	19	18	19	20	20	30	37	42	43	46	50	50	52	47	46	44	36	25	18	18	16	17
h'F2	MEO																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEO																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MEO		U 285	U 278	U 282	U 278	U 278	U 305	U 320	U 322	320	320	315	328	335	335	333	340	330	U 325	U 312	U 310	U 300	U 305	U 280
	CNT	3	10	8	8	6	8	13	16	16	15	17	18	20	18	20	22	23	22	23	16	13	13	9	10
	UQ		305	288	298	295	285	312	330	332	330	328	325	335	340	348	350	345	350	340	335	322	312	325	290
	LQ		270	272	275	275	272	295	315	305	310	285	310	312	325	322	330	330	315	315	300	292	282	280	275
foF1	MEO											370		380											
	CNT									2	3	5	3	5		1									
foE	MEO														U 250		U 220	U 185							
	CNT							2	2	3	3	1	1	3	5	3	5	5							
h'E	MEO									117	115	110	111	107	108	107	117	E 121							
	CNT							2	2	5	5	8	6	6	8	7	7	6							
foEs	MED	25	24	25	22	23		20		20	18	17	22	D 23	U 25	22	U 22	20	22	21	20	16	21	23	23
	CNT	20	20	15	11	5	3	9	4	9	70	11	10	10	9	11	12	13	8	8	9	10	9	12	15

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. OCTOBER, 1962

TABLE 85

OKINAWA 1. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	45	43	42	39	32	30	29	60	76	84	94	108	121	133	148	146	D 128	110	102	86	74	62	56	50
	CNT	29	29	29	29	30	27	30	30	31	31	31	31	31	31	40	31	31	31	30	30	30	30	30	30
	UQ	55	53	46	44	39	32	32	64	81	96	102	121	128	147	155	164	155	125	116	96	86	80	68	66
	LQ	42	40	38	34	28	24	24	57	70	78	89	96	110	118	130	126	117	99	92	74	60	51	51	44
h'F2	MED									238	253	269	274	280	293	282	262	244	233						
	CNT								1	12	19	29	30	30	31	30	31	31	23	1					
	UQ									240	259	283	281	301	308	292	270	259	241						
	LD									236	242	260	260	266	271	272	249	236	228						
h'F	MED	280	271	263	242	E 236	E 277	E 291	220	229	224	216	212	212	216	223	230	239	238	219	219	228	246	256	E 281
	CNT	29	29	29	29	30	27	29	30	31	30	29	28	30	28	28	26	25	20	29	30	30	30	30	30
	UD	305	296	283	259	254	318	328	239	234	231	230	219	230	236	239	242	246	242	229	226	238	274	278	297
	LQ	266	250	241	230	218	233	270	227	226	218	210	209	201	202	210	226	230	229	214	214	221	238	241	267
M(3000)F2	MED	295	302	315	328	320	305	300	352	350	340	320	320	315	305	315	325	330	340	340	330	315	310	300	290
	CNT	26	28	27	28	27	25	28	30	31	31	31	31	31	30	26	27	26	28	29	24	21	24	27	25
	UQ	315	320	325	348	355	338	308	365	360	350	335	330	320	315	320	330	335	345	345	348	325	330	320	310
	LQ	285	290	300	315	300	282	292	340	340	325	310	305	300	300	310	315	325	330	330	315	288	290	280	282
fo F1	MED																								
	CNT																								
fo E	MED									U 260	U 295	U 320	U 340	345	340	U 330	310	U 280							
	CNT								4	9	10	6	8	6	8	9	6	7	1						
h'E	MED								E 129	E 116	115	114	114	E 118	E 116	E 118	116	E 118							
	CNT								5	28	29	25	24	20	21	20	20	18	3						
fo Es	MED	30	31	25	22		25	27	21	28	34	36	37	40	40	40	37	38	40	45	46	39	34	50	31
	CNT	14	10	8	15	17	6	5	26	30	310	30	31	30	30	30	31	30	29	15	13	12	10	7	11

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1962

TABLE 86

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	37	35	30	25	25	25	27	60	77	88	103	116	126	131	140	132	136	100	72	52	43	37	37	37
	CNT	31	31	30	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	31	30	31	31
	UQ	42	42	34	33	26	26	25	63	81	95	109	128	135	142	147	145	135	111	90	58	49	49	47	41
	LQ	32	32	28	22	19	20	25	57	73	80	95	110	118	116	128	125	105	80	66	48	36	34	34	34
h'F2	MED								235	245	275	280	300	290	290	275	250	240	240						
	CNT								1	8	13	19	28	29	29	30	30	28	4						
	UQ									260	285	295	305	295	295	290	265	245	250						
	LQ									230	260	270	285	280	280	270	245	235	235						
h'F	MED	250	230	225	225	260	285	280	240	225	210	200	200	205	210	210	225	225	220	210	220	230	255	265	250
	CNT	30	30	30	29	26	24	30	30	29	30	30	28	26	27	27	24	28	30	28	26	27	27	29	30
	UQ	265	260	255	240	275	300	300	265	230	225	205	210	210	220	225	230	230	230	220	225	245	295	290	275
	LQ	240	220	215	210	215	250	270	235	215	205	195	200	200	195	200	220	220	215	210	205	220	240	240	240
M(3000)F2	MED	320	340	340	350	330	295	300	345	335	310	305	310	310	315	320	330	340	345	350	340	320	300	310	310
	CNT	31	30	30	30	30	30	31	31	31	31	31	30	31	31	30	30	30	30	29	27	26	28	29	31
	UQ	335	355	360	370	330	305	305	350	345	325	315	320	320	320	330	345	350	355	360	350	330	325	340	335
	LQ	310	315	325	325	290	280	290	340	320	290	290	295	300	310	315	325	330	340	340	330	300	270	290	300
fo F1	MED											570	430	460	440	450	440								
	CNT											1	3	5	6	4	4	2							
fo E	MED									75	100	90	195	260	300	320	340	350	345	335	310	275	220	160	
	CNT									3	2	1	26	27	27	17	16	17	19	15	17	14	14	4	
h'E	MED									152	159	153	119	109	105	105	105	105	105	105	105	109	112		
	CNT									2	2	2	24	30	27	24	23	24	24	25	27	19	10		
fo Es	MED	23	22	22	21	21	22	20	23	28	31	34	36	36	37	38	38	37	32	39	36	28	24	23	22
	CNT	31	28	30	30	30	31	30	31	31	310	31	30	30	30	30	30	29	30	30	30	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1962

TABLE 87

LA PAZ, BOLIVIA (16.5S, 68.1W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	86	90	82	64	56	46	52	77	89	100	D 100	93	89	90	94	97	99	105	102	D 95	91	90	90	87
	CNT	8	6	9	17	16	16	18	21	25	23	24	24	23	27	26	25	25	24	26	26	23	19	14	9
	UQ	89	94	86	71	64	58	58	82	92	105	108	108	101	98	100	102	104	114	117	109	95	95	95	89
	LQ	80	81	75	54	48	40	48	73	86	93	98	88	85	86	90	92	94	96	98	94	85	84	88	82
h'F2	MED												310	328	325	335									
	CNT									3	4	11	12	7	9	1	1	1							
	UQ											320	330	330	338										
	LD											310	320	320	315										
h'F	MED	300	278	250	240	248	245	250	240	225	215	210	205	205	200	202	205	210	230	255	275	302	280	290	305
	CNT	20	22	21	23	24	23	24	25	25	24	23	24	20	23	22	20	20	15	24	25	20	13	12	18
	UQ	315	290	270	265	265	260	262	260	230	220	210	210	208	210	210	210	220	240	270	285	320	300	320	350
	LQ	285	265	228	225	240	230	245	235	220	210	200	200	200	195	200	200	200	220	250	268	270	262	275	280
M(3000)F2	MED	275	292	320	320	315	330	330	345	322	300	270	255	250	250	250	250	260	265	270	275	260	272	270	270
	CNT	8	6	9	15	15	15	17	20	24	22	15	21	23	26	24	23	24	22	25	21	19	14	13	9
	UQ	295	310	332	335	330	340	330	350	335	305	280	262	260	255	255	260	265	270	280	280	275	280	282	288
	LQ	275	285	308	300	305	320	312	335	315	280	265	250	250	250	245	245	260	260	265	262	250	260	262	255
fo F1	MED																								
	CNT											1	1			1									
fo E	MED								230	280	U 320	U 350	U 360				U 345	U 305	U 250						
	CNT								15	18	12	12	9	4	2	4	7	7	5	4					
h'E	MED								121	115	115	111	111	111	111	111	111	115	115						
	CNT								19	21	21	18	17	12	13	16	20	21	17						
foEs	MED	42	41	44	31	20		21	24	40	52	58	58	62	70	65	60	58	54	53	46	40	35	26	35
	CNT	21	15	12	14	10	14	7	23	26	240	24	24	23	26	27	27	27	26	25	17	15	11	11	15

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. OCTOBER, 1962

TABLE 88

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	U 14	U 15	U 16	U 17	U 18	U 19	20	21	22	23
fo F2	MED							35	41	44	45	47	50	51	52	52	50	49	45	42	38				
	CNT	1			2	2	2	8	12	13	15	20	21	23	24	21	18	16	14	16	8	4	4	4	
	UQ							38	43	47	51	52	54	56	56	55	55	54	52	44	41				
	LQ							34	40	38	42	43	46	46	47	46	45	44	43	39	36				
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UD																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	46	38	36	40	40	40	36	27	23	20	26	25	27	24	21	19	23	33	36	46	58	55	43	54
	CNT	16	18	21	25	19	16	14	17	11	120	8	13	15	18	21	25	23	23	25	26	24	23	23	23

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. SEPTEMBER, 1962

TABLE 89

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 19	U 22	U 23	U 26	U 24	U 27	U 32	39	43	44	44	48	48	48	46	48	47	45	45	39	U 33	U 30	U 25	U 22
	CNT	17	17	10	11	13	15	18	17	16	19	18	21	22	22	25	24	24	25	23	23	19	14	11	18
	UQ	25	30	34	30	28	30	35	41	44	47	48	49	49	50	50	50	50	48	48	43	36	33	27	25
	LQ	16	18	22	23	22	19	30	36	37	38	41	40	41	43	42	44	44	43	42	35	27	22	22	19
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UD																								
	LQ																								
M(3000)F2	MED	U 285	U 270	U 275	U 275	U 280	U 280	U 305	315	278	300	292	305	305	300	300	325	325	328	330	318	U 310	U 320	U 305	U 300
	CNT	8	12	9	7	11	9	17	16	16	19	16	21	21	21	25	23	23	24	23	20	16	11	8	11
	UD	290	278	288	290	290	300	328	328	315	320	318	312	312	322	325	335	335	338	340	320	315	330	318	310
	LQ	272	265	270	265	270	278	290	298	235		255	255	265	285	262	310	310	308	315	308	300	305	290	275
fo F1	MED								320	350	370	385	390	390	400	390	385	380							
	CNT							3	5	11	18	14	17	18	18	15	6	5	3						
fo E	MED								200	U 230	U 252				U 260		U 235		U 215						
	CNT						3	4	5	6	8	2	3	4	6	2	5	3	5	1					
h' E	MED						115	110	107	109	107	107	107	107	105	109	111	115	119						
	CNT						5	10	9	11	12	11	9	11	13	13	15	10	9	4					
fo Es	MED	22	26	23	23	23	21	18	20	U 23	U 25	18	15	18	U 26	17	U 24	E 16	U 22	16		25	22	25	20
	CNT	22	23	14	17	20	15	15	12	14	140	13	11	14	14	13	16	10	12	7	5	12	15	15	20

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. SEPTEMBER, 1962

TABLE 90

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 30	U 30	U 28	U 25	U 22	U 22	38	49	56	59	61	60	64	64	64	66	66	65	61	58	50	42	36	U 32
	CNT	23	20	15	13	19	14	26	29	29	30	28	30	30	30	29	28	30	29	29	30	27	24	27	26
	UQ	36	32	30	28	25	23	40	54	60	64	68	68	69	71	72	70	70	70	68	62	54	45	40	38
	LQ	26	26	27	23	21	20	36	43	48	50	56	53	56	56	56	56	54	56	53	50	43	38	32	30
h' F2	MED									278	300	291	322	310	309	309	284	279	270						
	CNT								4	22	28	28	28	29	29	27	27	26	19						
	UQ									359	346	328	392	368	361	395	340	320	295						
	LQ									265	262	270	278	293	286	275	270	265	250						
h' F	MED	E 300	E 285	E 284	E 278	E 300	E 300	241	225	215	207	195	200	E 199	204	210	220	224	235	240	232	240	E 258	E 278	E 282
	CNT	26	24	22	20	15	15	27	29	30	30	29	30	30	30	28	28	30	29	30	30	29	28	30	28
	UQ	310	302	305	295	339	325	250	234	222	215	202	209	209	215	218	226	230	240	248	250	262	275	300	300
	LQ	280	267	262	268	270	260	230	216	208	190	186	188	180	200	201	210	220	225	225	225	225	245	265	270
M(3000)F2	MED	U 290	300	300	U 305	U 300	310	340	340	335	332	330	310	305	312	310	318	320	325	325	320	312	305	295	292
	CNT	16	15	7	10	9	8	26	26	27	30	27	29	29	30	29	28	30	29	28	28	24	21	23	24
	UQ	300	310	305	310	315	318	345	345	350	345	340	332	320	330	325	325	330	330	330	330	325	310	305	305
	LQ	280	290	290	300	298	288	325	325	310	310	310	290	285	300	295	302	310	315	320	308	302	295	285	285
fo F1	MED									390	420	430	440	445	430	430	410	400							
	CNT								2	11	20	22	21	20	21	19	13	8	2						
fo E	MED								U 240	270	300	315	325	U 325	325	310	295	U 260	205						
	CNT							4	14	17	21	19	14	17	16	15	21	17	6						
h' E	MED								112	110	110	108	109	108	E 110	108	110	110	E 115						
	CNT							3	24	29	29	28	28	27	28	26	27	28	27	1					
fo Es	MED								U 24	27	30	32	33	33	33	31	30	U 26	21	22	36	40	32		
	CNT	4	2	3	3	25	27	18	26	30	300	29	29	30	30	28	28	28	28	12	10	11	6	3	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1962

TABLE 91*

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	35	35	35	35	33	33	42	56	64	63	67	73	78	80	82	79	75	72	66	54	44	39	37	36
	CNT	29	29	27	29	29	29	29	29	29	29	29	27	28	28	28	27	27	28	28	28	28	27	26	28
	UQ	37	36	37	38	36	34	44	60	70	70	73	80	82	88	88	85	81	77	70	60	47	43	41	38
	LQ	33	33	33	32	32	30	38	50	58	58	62	66	72	76	74	69	68	68	62	48	38	37	35	34
h' F2	MED								269	278	300	305	320	318	316	300	286	274	265						
	CNT								12	26	27	27	25	28	29	29	27	26	15						
	UQ								298	290	326	344	342	326	332	312	305	290	275						
	LQ								257	260	263	280	300	306	301	289	272	265	249						
h' F	MED	E 292	E 292	280	E 276	E 279	E 280	266	237	225	206	202	204	208	212	220	229	235	242	232	230	243	270	282	E 292
	CNT	30	30	30	30	30	30	30	30	30	29	30	26	29	29	29	28	28	27	29	29	29	29	28	30
	UQ	310	310	300	285	300	290	270	241	230	212	210	212	215	223	226	234	240	250	245	240	254	291	300	300
	LQ	273	274	270	265	269	270	254	229	216	202	190	200	200	208	211	222	225	235	226	220	230	259	270	274
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED									410	430	450	450	460	460	445	430	U 405							
	CNT								1	10	17	24	24	26	28	26	17	8	1						
fo E	MED								230	278	305	330	340	345	340	330	310	280	225						
	CNT							3	11	10	13	17	17	20	26	25	20	20	8	2					
h' E	MED							129	114	110	110	109	109	109	109	108	110	110	115						
	CNT							5	27	28	27	29	27	28	28	26	27	27	24	1					
fo Es	MED	24	28	24	24	28	27	19	26	31	34	33	34	35	34	33	31	28	27	23	32	37	34	36	26
	CNT	14	10	10	10	12	15	23	30	30	300	30	28	29	29	29	28	28	28	29	20	19	15	13	8

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1962

* Notice from Review Group: "All heights are in error and should be reduced by 4%. All MUF factors are C."

TABLE 92

NAPSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED						33	38	42	43	45	46	48	47	U 48	U 48	U 50	U 48	U 46	U 46	U 43	U 39	U 34	38	
	CNT	3	2	2	2	4	8	12	20	22	26	29	24	27	28	26	24	24	24	20	14	9	11	5	2
	UD						36	40	44	45	47	49	50	50	52	50	52	50	50	48	45	42	44	42	
	LD						32	37	38	41	43	42	46	45	46	46	46	46	45	44	42	38	32	34	
h' F2	MED																								
	CNT																								
	UD																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UD																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED	48	39	39	36	48	43	40	30	30	28	30	28	28	25	22	28	29	33	31	38	68	60	50	42
	CNT	23	23	25	26	24	21	21	20	23	190	24	21	26	26	30	28	27	27	27	26	27	28	25	26

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. AUGUST, 1962

TABLE [illegible]

ANCHORAGE, ALASKA 61.2N, 149.9W TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 27	U 24	U 25	U 27	U 29	U 33	U 37	U 41	U 42	U 44	U 44	U 45	U 46	U 46	U 44	U 46	U 45	U 44	U 44	U 43	U 40	U 36	U 36	U 35
	CNT	18	20	19	19	21	21	21	24	24	21	23	21	24	23	23	23	25	24	25	27	24	25	14	17
	UQ	31	28	30	31	33	35	40	42	44	48	49	52	50	49	48	48	48	48	46	45	44	42	42	34
	LQ	24	22	19	21	26	31	36	38	40	40	43	42	42	41	42	44	43	43	43	40	38	30	35	28
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 285	U 282	U 285	U 290	U 295	U 290	U 280	U 285	285	285	280	298	285	270	280	302	305	320	328	325	U 325	U 315	U 315	U 305
	CNT	13	16	15	15	18	21	19	23	22	20	23	20	24	22	21	22	24	24	24	27	20	15	11	13
	UQ	318	298	300	290	310	328	305	305	295	305	310	320	308	285	310	320	325	335	340	335	330	320	320	315
	LQ	270	270	280	280	280	268	260	265	265	265	260	265	262	230	250	275	288	302	315	315	315	305	300	295
foF1	MED																	U 280	U 320	U 350	U 370	U 380	U 380	U 400	U 400
	CNT																	7	16	20	23	23	23	20	24
foE	MED																	U 158	U 200	U 230					
	CNT																	3	6	7	7	2	2	3	3
h'E	MED					117	113	109	107	105	101	101	104	101	101	101	105	109	105						
	CNT					7	10	13	11	9	9	10	14	10	14	14	9	6	7	3	2				
foEs	MED	22	22	22	24	23	18	22	25	27	30	D 30	30	31	U 30	U 29	U 27	E 25	26	35	44	44	30	26	22
	CNT	14	18	20	23	19	18	17	15	18	150	18	18	15	17	18	12	9	13	13	9	11	8	16	15

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1962

TABLE [illegible]

WHITE SANDS, NEW MEXICO 32.3N, 106.5W TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	33	32	32	36	38	38	47	51	56	56	58	56	61	62	60	61	61	61	60	56	43	36	34
	CNT	29	30	31	29	27	30	31	30	31	31	30	30	30	30	30	30	30	30	29	30	30	29	28	28
	UQ	35	34	34	34	33	31	41	51	58	62	62	64	61	69	67	71	71	70	68	70	60	49	40	37
	LQ	30	31	29	31	27	26	34	46	48	49	52	53	54	54	57	54	55	57	54	53	49	38	31	32
h'F2	MED								320	350	342	344	356	382	362	344	340	314	288	261					
	CNT							1	27	29	30	30	30	30	30	30	30	30	29	19					
	UQ								369	410	459	448	434	405	382	365	376	349	308	274					
	LQ								290	304	298	304	335	344	330	329	319	295	273	250					
h'F	MED	E 300	E 298	295	E 280	262	F 270	243	220	210	200	199	200	F 200	208	214	220	219	230	238	233	230	E 261	271	284
	CNT	28	29	29	28	24	30	30	30	30	30	29	28	30	29	29	29	29	27	26	30	30	29	29	29
	UQ	308	306	310	310	298	287	251	230	225	225	215	206	208	216	222	227	234	238	250	246	248	282	298	313
	LQ	278	276	270	252	250	250	238	210	195	190	187	190	190	200	208	214	210	220	230	225	220	232	256	256
M(3000)F2	MED	295	300	300	310	315	312	318	318	305	305	300	295	288	295	300	300	305	320	325	332	328	315	305	300
	CNT	27	28	27	25	20	28	30	30	31	31	30	30	30	30	30	30	30	30	29	30	30	29	29	27
	UQ	305	308	310	318	325	322	330	335	315	325	310	305	300	305	310	312	315	330	335	345	335	325	312	315
	LQ	285	285	285	288	300	300	315	300	285	260	265	275	280	290	290	295	300	310	315	310	320	308	295	290
foF1	MED								370	400	420	430	440	450	440	440	430	410	380						
	CNT								17	27	29	29	27	29	29	28	28	28	10						
foE	MED										312	335	U 342	U 346	U 345	335	320	290							
	CNT							1	3	2	6	5	6	8	11	13	16	13	3						
h'E	MED							121	109	109	109	108	109	108	109	109	110	110	111	118					
	CNT							9	28	29	31	26	24	24	25	25	25	24	22	11					
foEs	MED	36	33	32	32	33	35	24	28	33	33	36	36	D 36	35	35	34	32	33	28	37	36	39	36	34
	CNT	12	11	10	6	5	9	24	30	31	310	30	30	30	30	30	30	30	29	27	14	17	15	15	16

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1962

TABLE 95

NARSSARSSUAQ, GREENLAND 61.2N, 45.4W TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					36	39	41	42	45	46	46	47	48	50	50	51	49	U 49	U 48	U 46	44	U 40	U 38	U 36
	CNT	2	3	2	1	8	13	18	18	27	28	26	30	28	25	25	21	21	18	15	15	11	12	7	8
	UQ					40	42	44	45	46	48	48	49	50	51	52	54	53	53	51	49	46	40	42	38
	LQ					34	36	40	41	42	43	45	45	46	48	48	49	47	47	46	44	43	37	36	32
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	46	44	42	39	46	42	33	23	31	32	30	33	32	24	22	21	36	35	34	40	40	40	50	57
	CNT	30	28	26	25	25	24	22	27	26	230	24	28	24	27	24	26	24	27	28	25	34	27	25	23

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JULY, 1962

TABLE 96

FT. MONMOUTH, NEW JERSEY 40.4N, 74.1W TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	38	34	30	27	34	39	44	48	50	52	52	51	51	53	53	55	56	58	60	60	56	48	45
	CNT	28	26	27	26	25	29	31	28	29	28	29	30	27	27	28	29	27	28	30	31	30	29	30	31
	UO	46	41	37	34	29	35	42	48	52	53	54	55	55	55	56	58	58	60	61	63	62	59	52	50
	LO	35	32	28	26	24	31	37	40	45	46	48	49	49	49	50	50	52	53	55	56	55	51	43	36
h'F2	MEO							446	350	375	400	388	398	415	420	390	375	350	332	290	250				
	CNT							9	25	27	27	28	30	27	27	28	29	27	26	24	5				
	UO								508	460	467	480	435	440	468	435	421	390	367	305	282				
	LQ							312	290	302	330	342	359	375	362	365	342	330	310	281	239				
h'F	MEO	275	278	298	286	288	255	230	220	205	205	205	200	204	197	205	210	214	225	242	260	250	260	268	270
	CNT	29	27	28	26	23	20	31	25	27	28	27	27	26	25	27	28	21	22	24	30	30	31	30	31
	UQ	298	300	315	300	310	278	250	230	225	210	220	205	215	205	220	221	230	240	25.	265	260	276	280	300
	LQ	260	260	274	260	265	242	220	208	200	198	190	185	190	185	192	200	206	210	220	250	240	240	250	260
M(3000)F2	MED	305	305	300	300	320	330	320	305	300	305	300	290	275	280	285	290	295	300	310	310	310	305	300	300
	CNT	27	25	24	22	18	27.	30	27	27	27	28	30	27	27	27	29	27	27	30	30	29	28	29	30
	UO	310	310	310	310	320	340	335	330	330	325	315	305	300	300	300	300	305	310	315	320	320	310	310	310
	LQ	300	300	300	300	300	320	295	260	275	275	260	275	250	270	275	280	285	295	300	310	300	300	290	290
foF1	MEO							340	390	410	430	440	450	450	450	450	430	420	390	350					
	CNT							8	19	27	28	28	28	26	25	27	28	22	20	5					
foE	MEO						180	230	270	300	335	335	350	350	350	340	330	300	270	230					
	CNT						2	5	4	6	7	2	4	8	8	11	12	10	6	3					
h'E	MEO						120	114	110	110	108	109	105	107	108	110	110	110	110	115	125				
	CNT						4	22	28	29	30	28	29	27	28	29	29	28	23	17	2				
foEs	MEO	35	38	42	34	34	20	28	34	34	34	39	38	38	38	36	36	37	39	42	38	52	45	32	33
	CNT	15	16	14	14	15	16	20	30	31	310	31	31	31	31	30	29	29	28	27	26	21	19	16	18

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JULY, 1962

TABLE 97

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 38	U 36	U 38	U 39	42	U 45	48	50	52	51	52	52	51	51	50	51	51	51	50	48	50	52	U 48	U 41
	CNT	25	28	29	29	30	30	28	30	30	29	29	29	29	29	30	30	29	28	30	30	30	28	28	26
	UQ	47	41	42	42	44	49	52	52	54	56	58	56	54	62	52	53	54	52	52	52	53	54	53	52
	LQ	33	28	29	34	39	42	44	45	47	47	49	48	49	46	47	49	48	48	48	48	48	48	44	38
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 280	U 288	U 280	U 275	270	U 270	275	275	272	278	280	280	280	280	275	288	295	300	300	305	305	305	U 305	U 300
	CNT	25	26	28	29	29	29	28	30	30	28	29	29	29	29	30	30	29	28	30	30	29	28	26	26
	UQ	300	300	290	285	278	280	285	285	285	285	295	295	290	288	290	300	305	305	310	310	310	315	310	305
	LO	275	270	268	270	260	260	270	260	265	260	265	262	262	268	265	275	285	295	295	300	290	300	300	280
foF1	MED					210	240	270	290	300	320	330	330	340	335	330	330	320	310	290					
	CNT				2	24	28	29	29	29	28	29	29	29	30	29	30	28	22	14	1				
foE	MED						130	U 155	U 185	198	U 210	U 215	U 215	U 222	U 225	U 220	U 208	U 200	U 190	U 160	130				
	CNT					5	17	21	27	20	24	17	21	22	25	23	22	18	19	17	9				
h'E	MED						E 135	119	110	105	103	101	101	101	103	103	105	105	111	121	131				
	CNT					5	18	23	28	26	27	24	26	27	27	26	25	22	23	21	13				
foEs	MED				24	24	27	29	29	30	32	34	34	33	U 23	U 22	U 21	U 20	27	29	34	37			
	CNT	29	30	30	30	29	29	30	30	29	270	28	29	29	29	29	28	24	25	27	29	29	27	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JUNE, 1962

TABLE 98

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 39	U 32	U 32	U 35	U 38	U 41	U 46	U 47	U 50	U 50	U 51	U 50	U 50	U 52	U 51	U 51	U 51	U 50	U 51	U 51	U 52	U 52	U 51	U 44
	CNT	27	25	27	27	28	28	27	29	27	27	29	28	28	26	28	27	27	30	30	29	29	30	28	26
	UQ	47	40	39	39	41	48	52	54	55	57	58	58	57	56	54	55	55	52	52	53	55	57	58	54
	LQ	34	28	26	30	32	36	42	44	46	47	48	48	46	47	47	47	48	47	48	48	47	47	42	36
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 290	U 270	U 265	U 270	U 270	U 272	U 270	U 270	U 270	275	U 280	U 285	U 290	290	U 290	285	300	305	305	310	305	U 302	U 300	U 302
	CNT	25	25	26	27	27	28	27	29	27	26	29	28	28	26	27	27	27	30	30	28	29	30	28	26
	UQ	298	280	280	280	285	280	280	280	285	290	295	292	302	310	300	300	305	310	320	318	318	315	310	310
	LO	270	260	255	260	260	260	255	260	260	260	270	270	268	270	265	280	280	290	300	305	300	295	292	285
foF1	MED					U 200	U 235	265	U 280	300	310	320	U 330	330	340	340	340	325	310						
	CNT				2	11	22	28	27	27	26	27	28	27	25	27	26	26	14	2					
foE	MED							U 152	U 180	U 200	U 210	U 215	U 212	U 215	U 218	U 218	U 215	U 198	U 180	U 160					
	CNT					9	13	14	13	13	11	14	10	7	6	8	10	8	15	9	6	1			
h'E	MED							119	112	107	107	106	101	102	101	105	106	105	109	123					
	CNT					9	14	14	16	13	12	14	10	8	7	8	10	9	15	12	6	1			
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MAY, 1962

TABLE 99

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		34				23	25	27	37	48	54	60	60	66	63	60	62	53	45	35	29	31	35	
	CNT	2	5	3	2	4	11	9	11	21	21	21	23	23	22	21	21	15	9	9	7	7	7	5	3
	UQ		35				32	27	35	46	50	58	63	66	70	70	67	67	63	52	43	34	40	42	
	LQ		31				19	19	23	34	46	50	55	55	56	56	51	44	36	34	31	27	29	32	
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED						300		320	340	350	340	330	330	330	330	320	330	320	315			305		
	CNT	1	2	2	1	3	7	4	9	17	18	20	20	18	16	15	15	11	5	6	3	4	5	3	1
	UQ						320		320	340	355	345	355	345	340	335	335	335	320	330			310		
	LQ						295		310	330	335	330	320	320	310	325	305	305	290	300			280		
foF1	MED													1		1	1								
	CNT																								
foE	MED								165			245	270	250	260	270	240								
	CNT						1	2	5	4	3	7	9	7	12	9	5	4	4	1					
h'E	MED								125		129	128	129	119	121	119	123	123	123						
	CNT						1	2	6	4	6	10	11	11	15	13	13	7	5						
foEs	MED	34	34	37	38	40	35	42	30									28	30	31	35	31	34	40	40
	CNT	21	20	21	18	18	19	12	14	8	70	11	12	11	16	16	17	15	14	16	18	21	22	24	23

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. FEBRUARY, 1962

TABLE 100*

BYRD STATION, ANTARCTICA (80.0S, 120.0W) TIME 120.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 52	48	U 47	U 46	U 47	45	45	45	48	49	48	49	50	51	53	58	U 56	55	55	U 53	U 50	U 50	49	
	CNT	6	8	5	11	9	9	13	13	12	13	11	10	13	13	11	10	11	13	10	9	6	5	5	4
	UQ	52	50	56	48	52	48	46	50	50	52	50	50	52	56	60	63	65	64	59	60	57	55	52	
	LQ	49	40	40	44	44	44	44	44	46	46	46	48	48	48	50	53	51	46	51	52	45	38	43	
h'F2	MED	320	320	322	292	295			320	292	320	315	365	325	335	330	320	315	305	320	315	E 385	340	345	320
	CNT	7	9	6	6	5	1	4	8	8	6	7	14	13	11	11	13	13	13	11	11	7	5	6	5
	UQ	350	385	340	330	305			338	352	330	320	385	368	355	370	358	352	335	415	355	385	340	370	342
	LQ	285	310	305	265	270			292	275	310	300	320	300	335	305	312	300	295	300	285	275	278	330	302
h'F	MED	245	250	245	225	220	220	220	215	218	205	212	200	205	205	205	205	215	220	240	E 250	245	250	235	252
	CNT	7	7	9	11	11	11	12	13	12	14	14	14	14	14	10	11	14	13	13	8	7	5	9	10
	UQ	270	310	282	270	230	235	255	225	220	215	220	220	215	220	220	215	255	242	278	255	300	268	255	290
	LQ	225	230	220	215	210	215	208	215	212	200	205	195	195	200	190	200	210	205	220	235	235	215	228	225
M(3000)F2	MED	U 310		U 300	U 308	U 335	325	320	323	340	315	328	310	325	305	288	302	300	300	U 305	305				
	CNT	5	4	5	10	8	9	12	12	10	12	10	13	10	9	10	10	9	11	9	9	9	2	4	3
	UQ	310		312	325	342	320	325	335	345	340	335	330	335	310	300	320	320	310	318	315				
	LO	302		285	300	325	310	298	315	300	298	300	285	310	295	270	295	272	285	285	290				
foF1	MED		U 340						U 400	U 405	400	390	400	U 400	380										
	CNT	3	5	1	1		1	1	1	2	1	3	8	6	10	5	6	9	7	4	3	2	2	3	
foE	MED		215	U 225	U 230	235	240	255	U 260	272	270	280	278	280	D 280	U 285	278	U 275	U 270	270	D 250	D 245	D 240	U 250	
	CNT	1	5	5	5	7	7	8	10	10	10	9	10	13	12	9	12	12	11	15	6	6	5	5	4
h'E	MED	107	106		107	107	103	101	101	102	101	101	101	101	101	101	101	103	103	105	105	107	107	107	107
	CNT	5	6	4	6	7	8	9	11	10	10	11	11	13	13	9	12	14	14	15	9	7	7	9	8
foEs	MED	38	36	44	40	36	30	37	32	27	32	30	29	28	28	U 29	28	U 28	U 27	27	40	40	47	38	34
	CNT	13	14	14	15	14	12	13	13	13	130	13	12	15	14	17	15	15	15	15	15	14	14	13	14

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. USCOMM NBS BL JANUARY, 1962

* Observations taken January 1 through 15 only

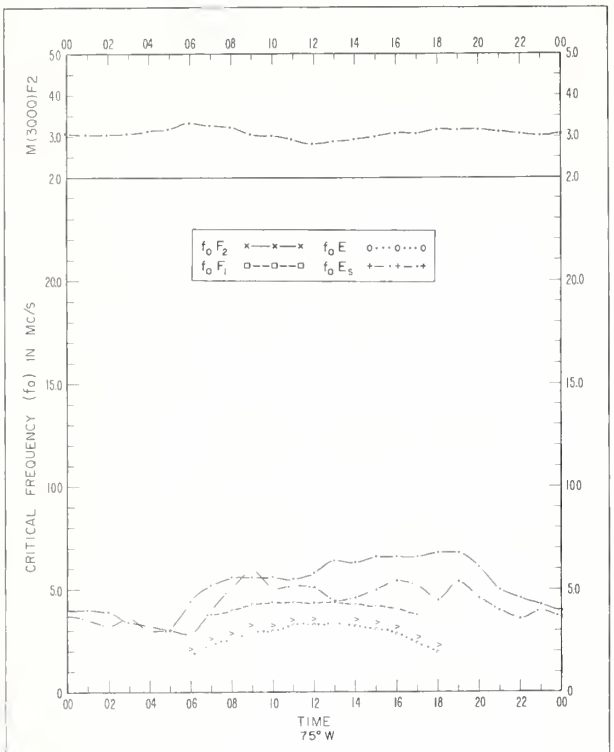

Fig 1. GRAND BAHAMA I
26.6°N, 78 2°W JUNE 1963

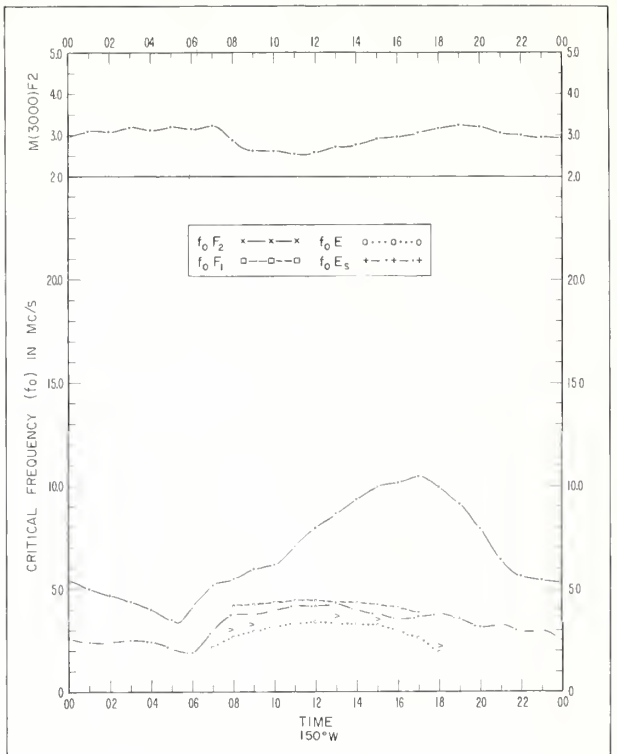

Fig. 2. MAUI, HAWAII
20.8°N, 156.5°W JUNE 1963

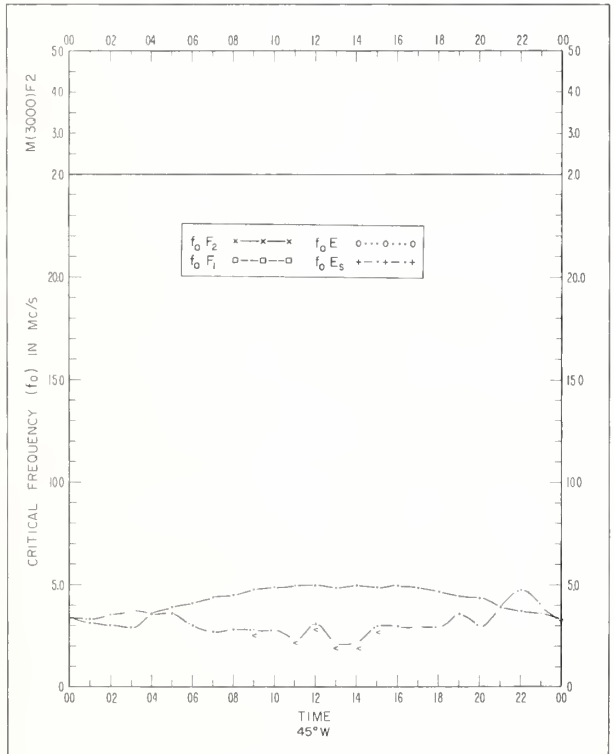

Fig 3 NARSSARSSUAQ, GREENLAND
61.2°N, 45 4° W MAY 1963

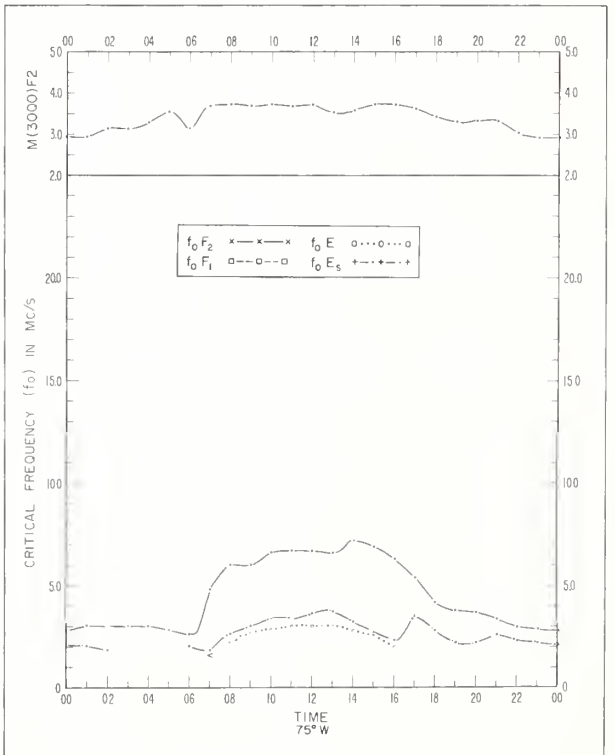

Fig 4. CONCEPCION, CHILE
36.6°S, 73 0°W MAY 1963

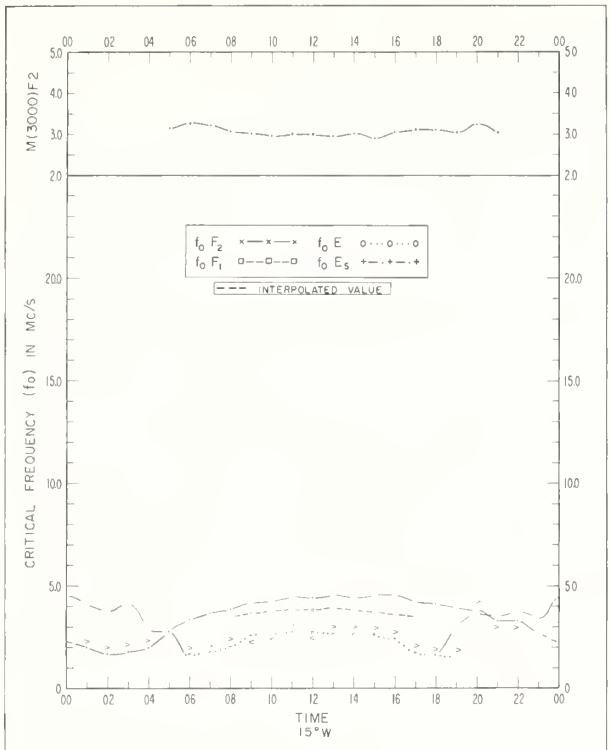

Fig 5 REYKJAVIK, ICELAND
64 1°N, 21 8°W
APRIL 1963

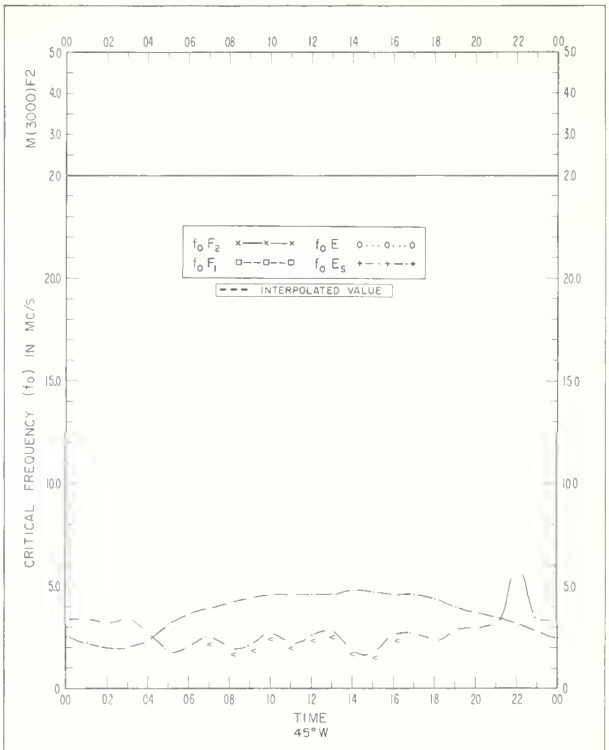

Fig. 6 NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W
APRIL 1963

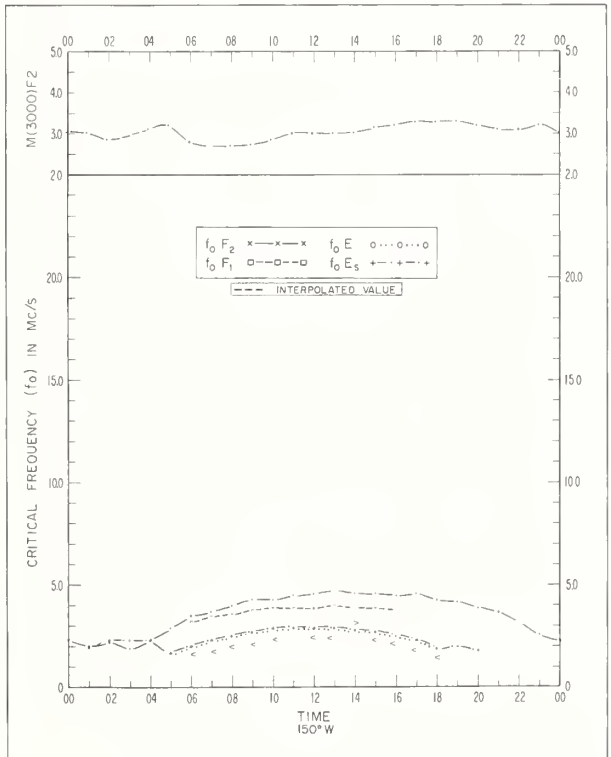

Fig 7. ANCHORAGE, ALASKA
61.2°N, 149.9°W
APRIL 1963

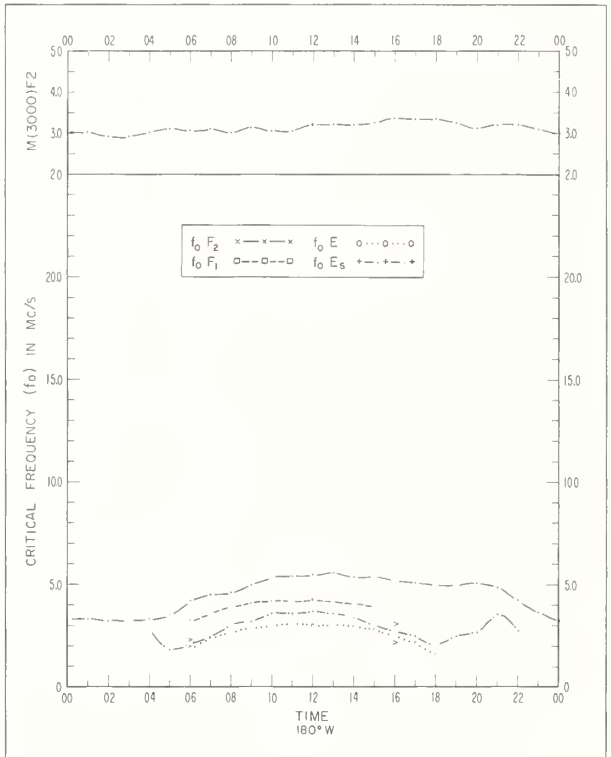

Fig. 8. ADAK, ALASKA
51 9°N, 176. 6°W
APRIL 1963

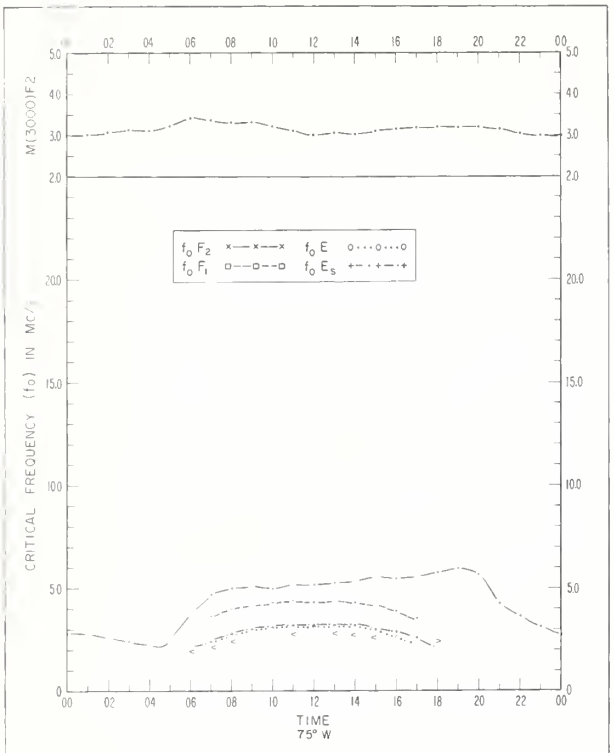

Fig 9 FT MONMOUTH, NEW JERSEY
40 4°N, 74.1°W
APRIL 1963

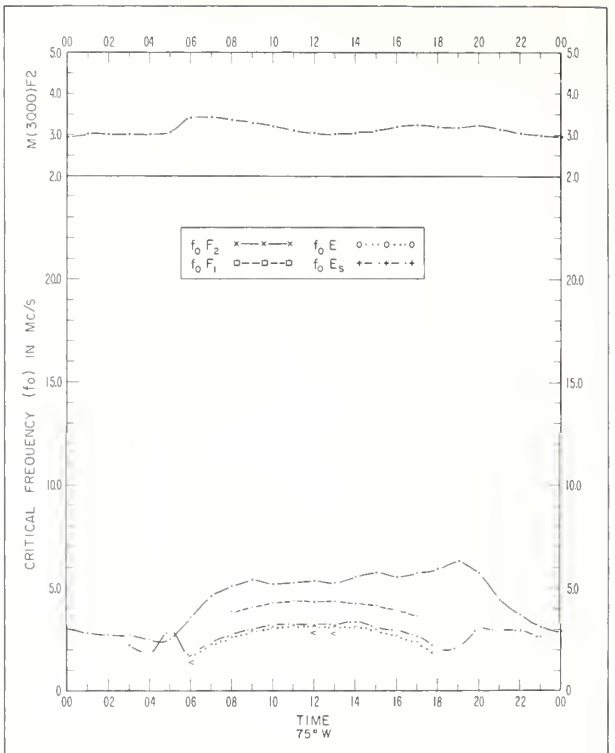

Fig. 10. WASHINGTON, D.C
38.7°N, 77 1°W
APRIL 1963

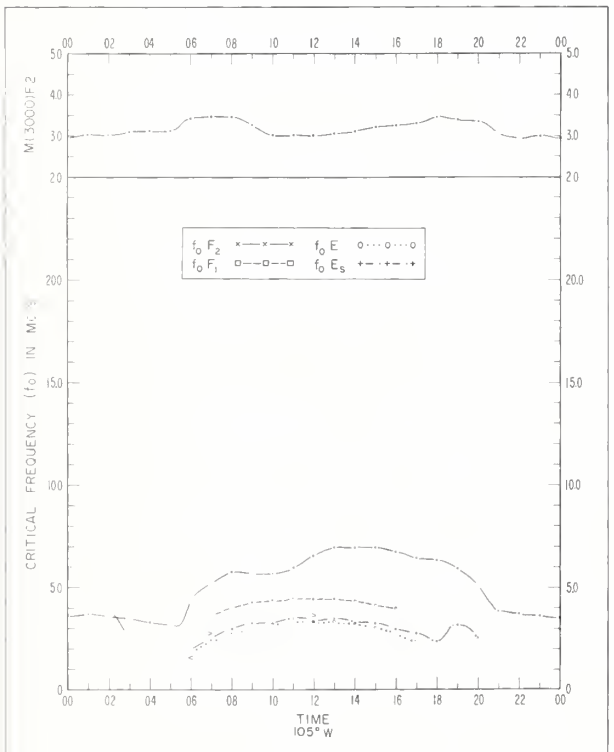

Fig 11 WHITE SANDS, NEW MEXICO
32 3°N, 106.5°W
APRIL 1963

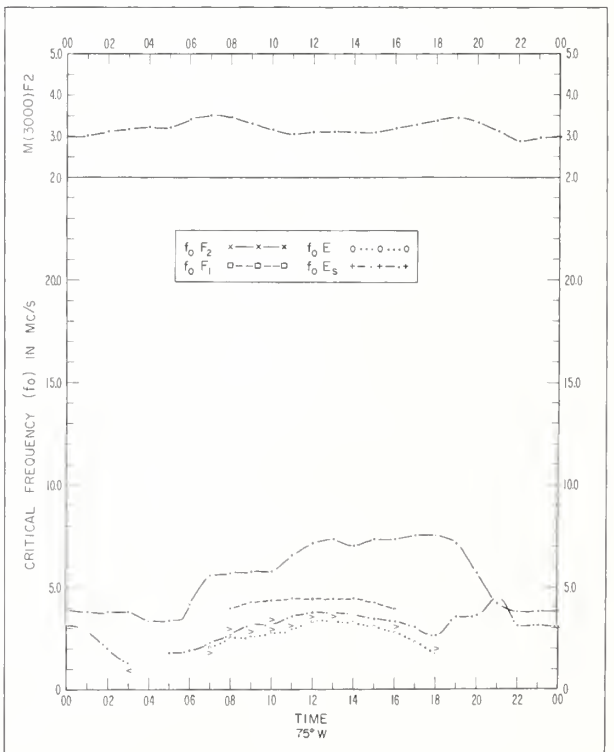

Fig 12. GRAND BAHAMA I
26 6°N, 78 2°W
APRIL 1963

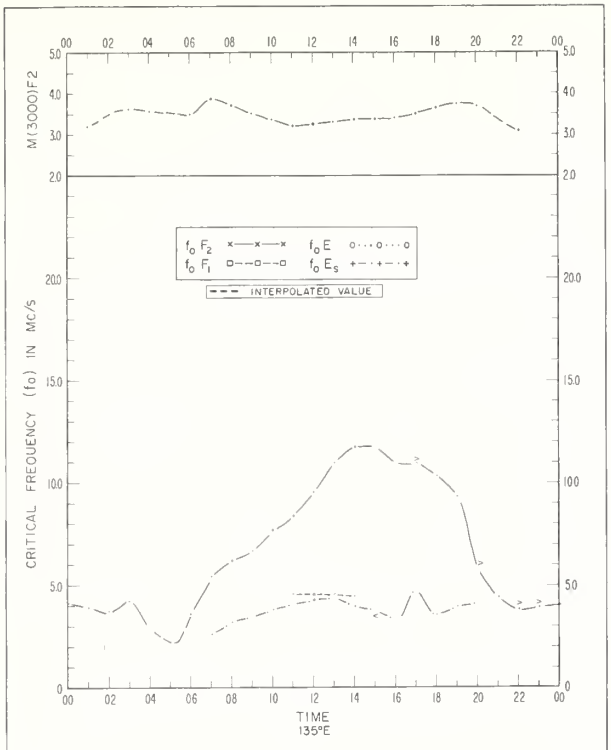

Fig 13 OKINAWA I
26.3°N, 127.8°E APRIL 1963

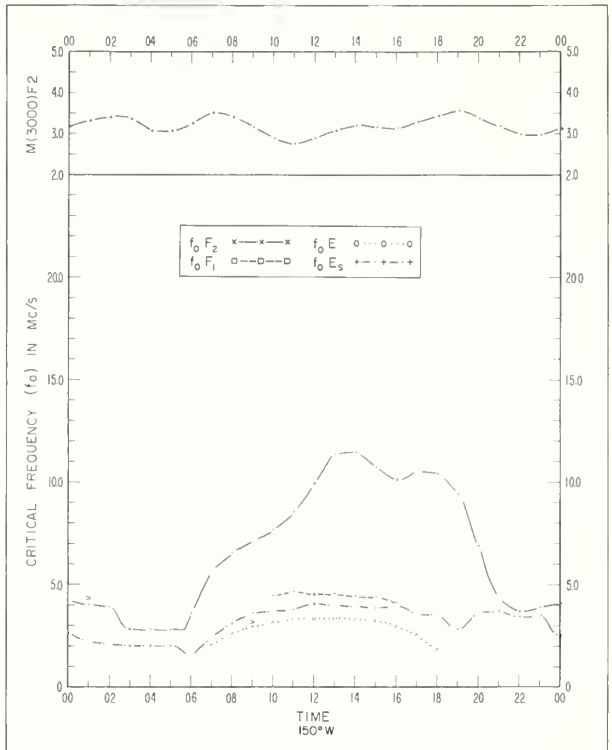

Fig 14 MAUI, HAWAII
20.8°N, 156.5°W APRIL 1963

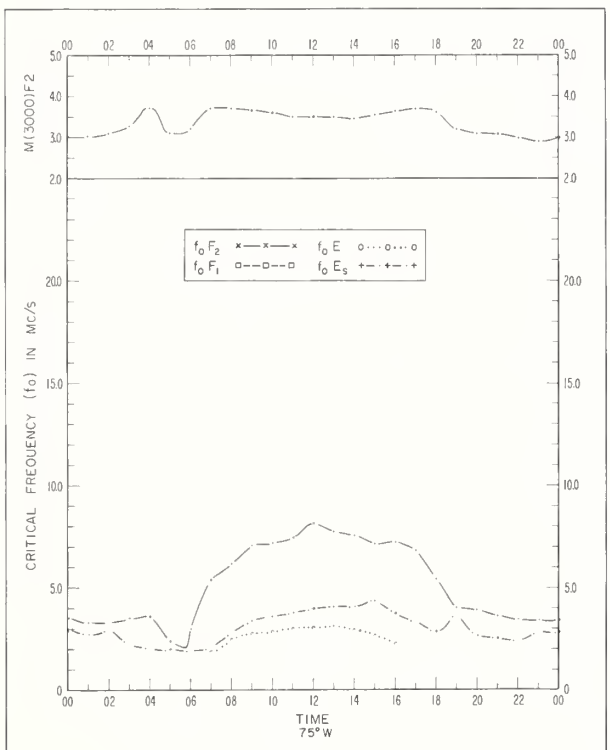

Fig. 15. CONCEPCION, CHILE
36.6°S, 73.0°W APRIL 1963

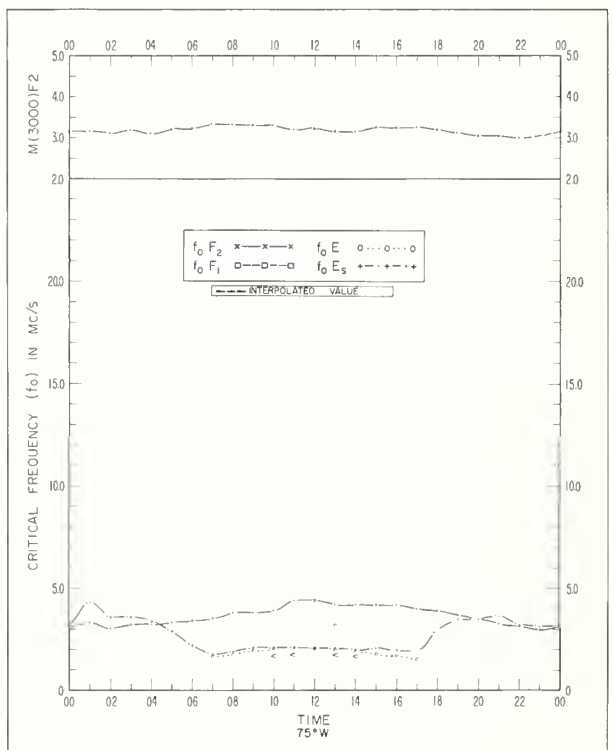

Fig. 16. THULE, GREENLAND
76.4°N, 68.3°W MARCH 1963

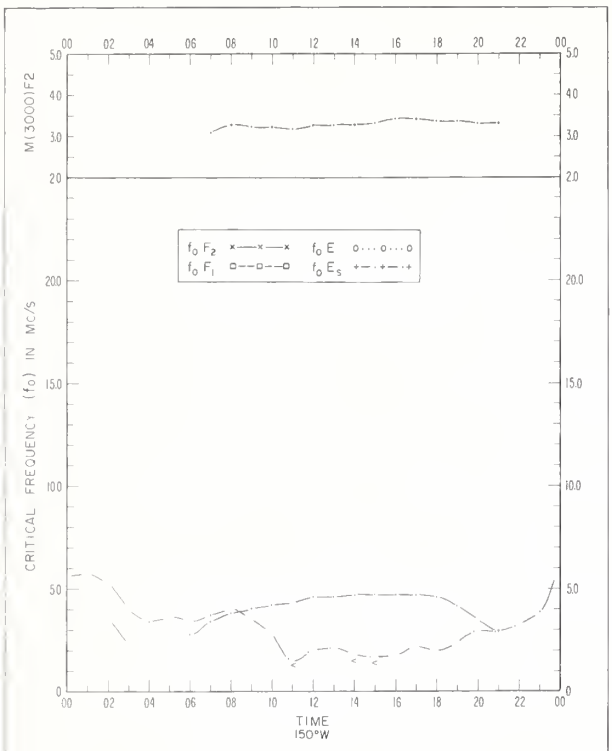

Fig 17 BARROW, ALASKA
71 3°N, 156 8°W
MARCH 1963

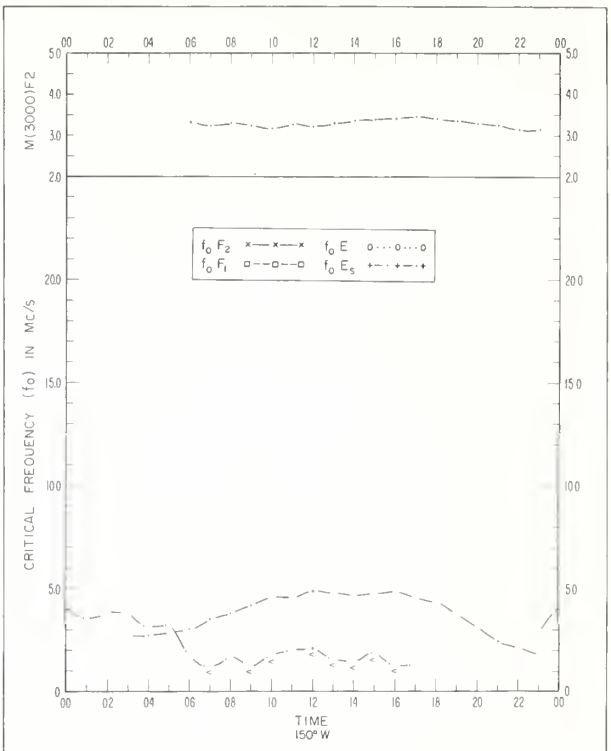

Fig 18. COLLEGE (FAIRBANKS), ALASKA
64 9°N, 147 8°W
MARCH 1963

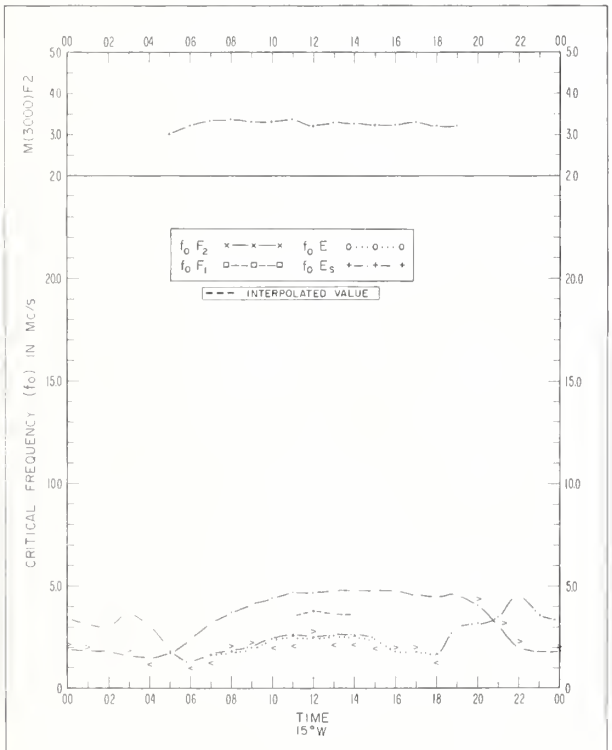

Fig 19 REYKJAVIK, ICELAND
64.1°N, 21.8°W
MARCH 1963

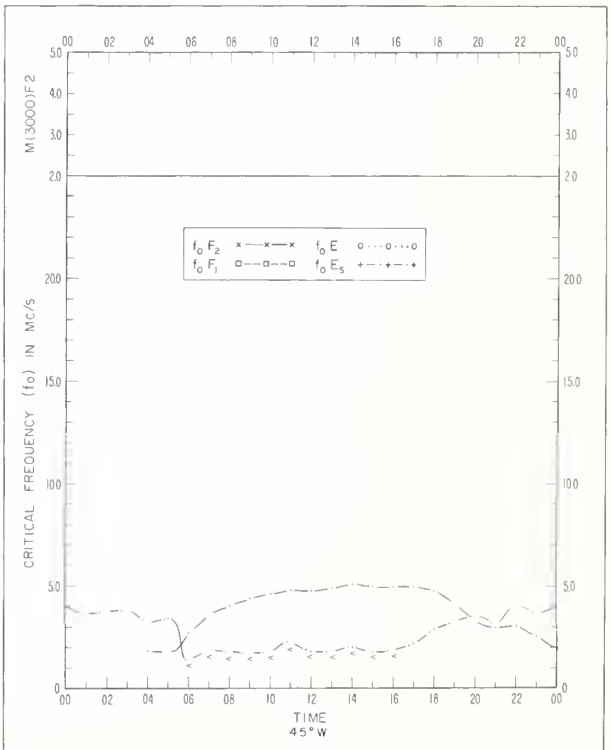

Fig 20. NARSSARSSUAQ, GREENLAND
61 2°N, 45.4°W
MARCH 1963

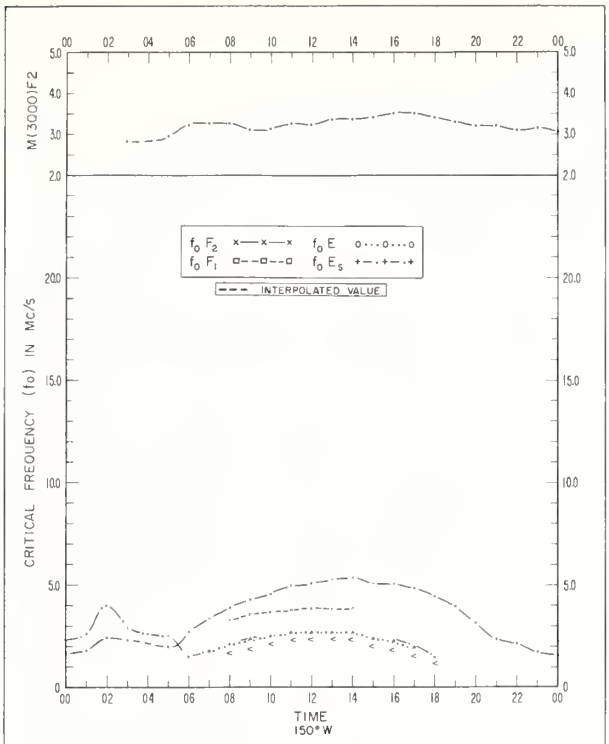

Fig. 21. ANCHORAGE, ALASKA
61.2°N, 149.9°W
MARCH 1963

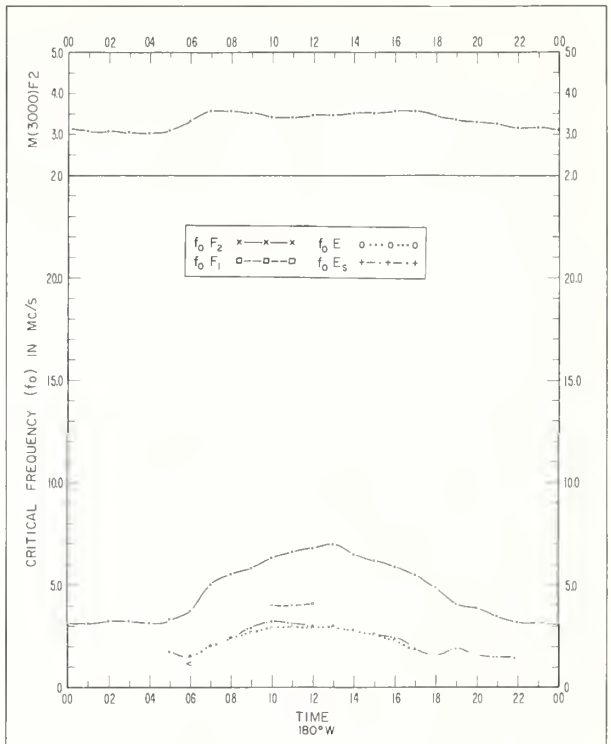

Fig 22 ADAK, ALASKA
51.9°N, 176.6°W
MARCH 1963

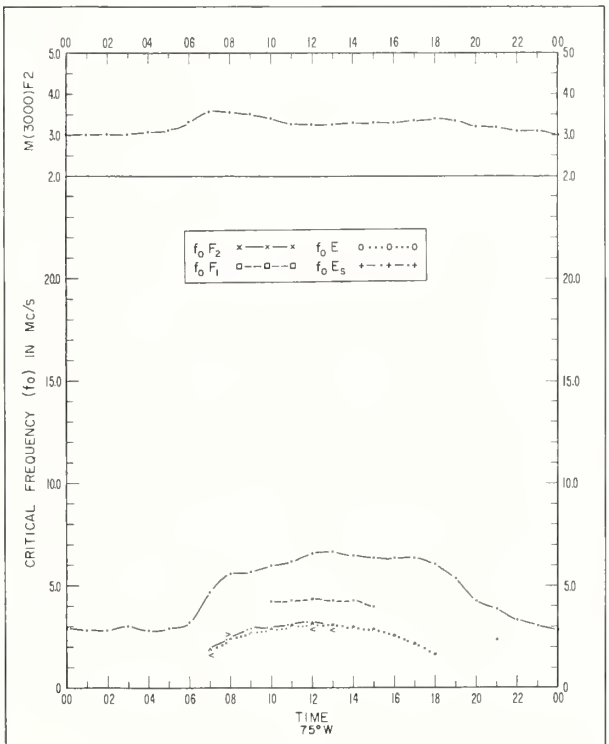

Fig.23. WASHINGTON, D.C.
38.7°N, 77.1°W
MARCH 1963

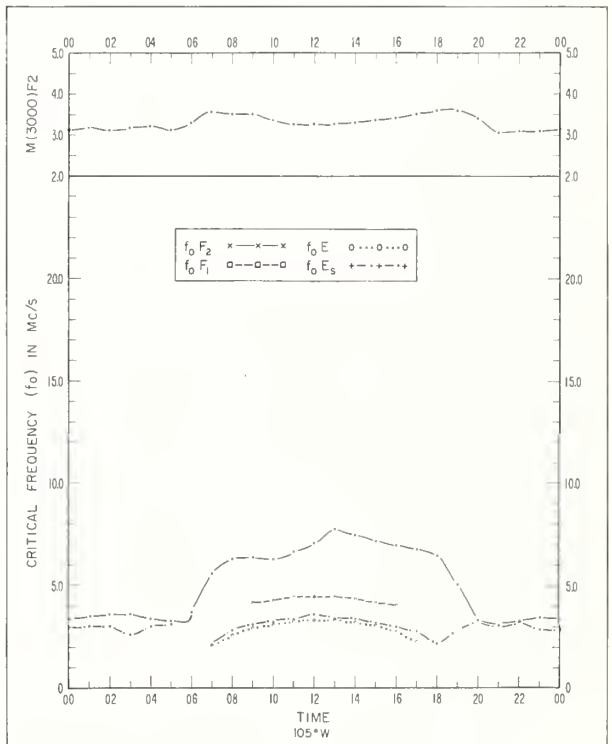

Fig 24 WHITE SANDS, NEW MEXICO
32 3°N, 106 5°W
MARCH 1963

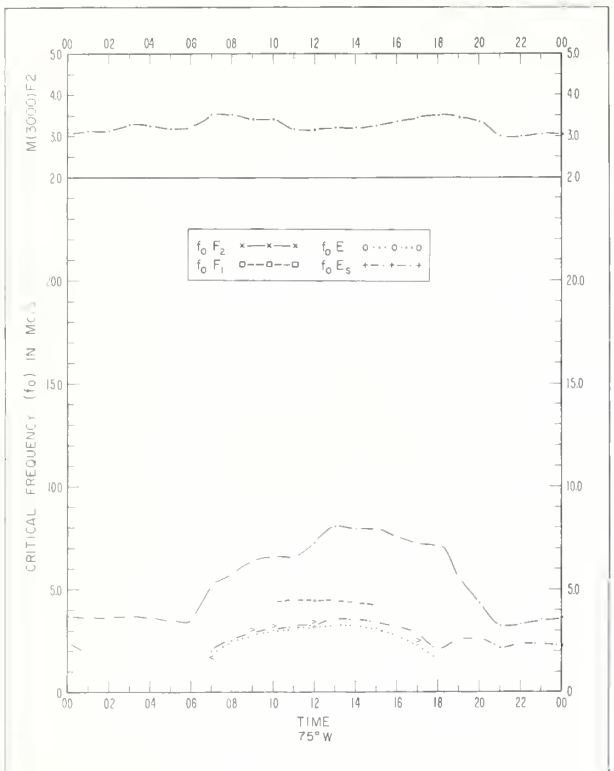

Fig 25 GRAND BAHAMA I
26 6°N, 78 2°W
MARCH 1963

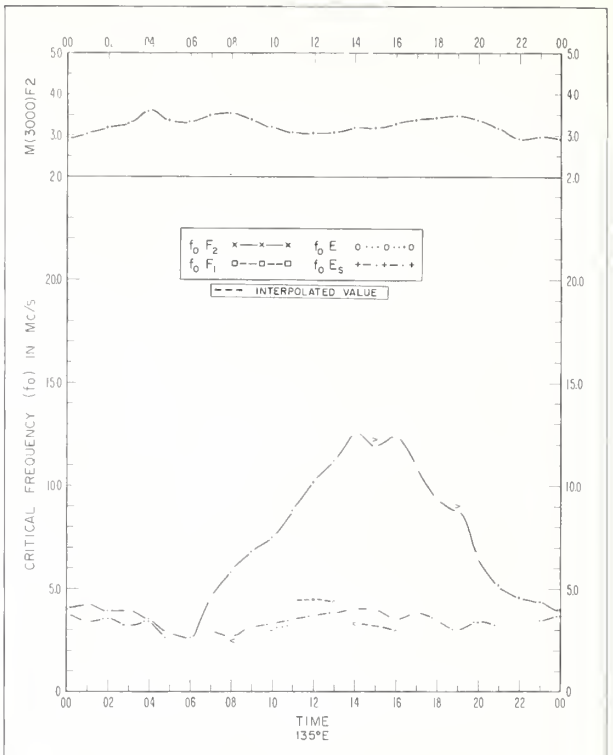

Fig 26 OKINAWA I.
26 3°N, 127 8°E
MARCH 1963

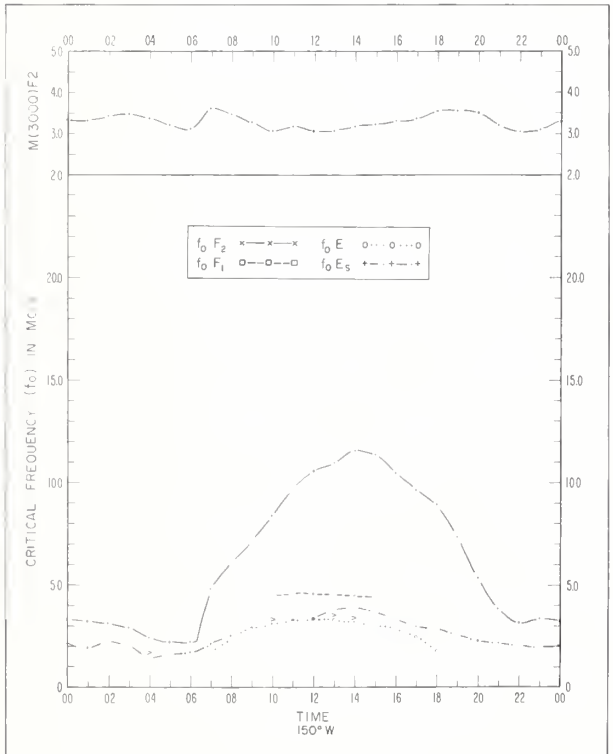

Fig 27 MAUI, HAWAII
20 8°N, 156 5°W
MARCH 1963

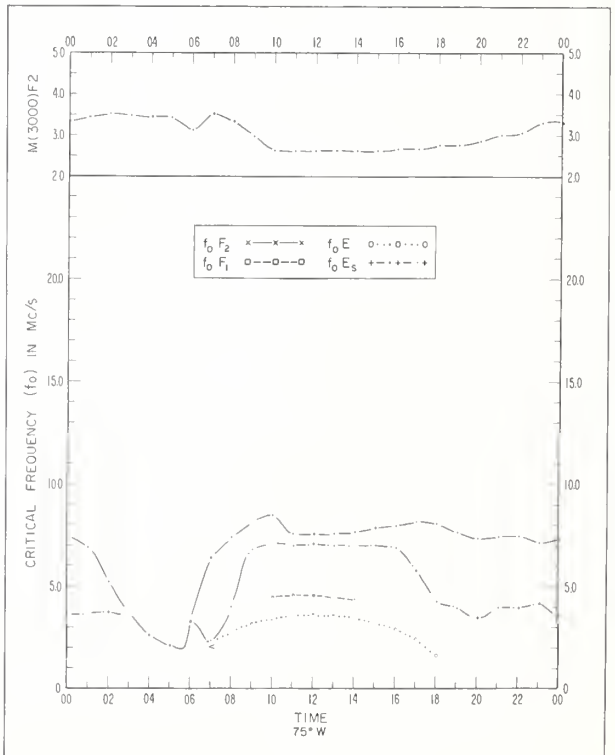

Fig 28 HUANCAYO, PERU
12.0°S, 75 3°W
MARCH 1963

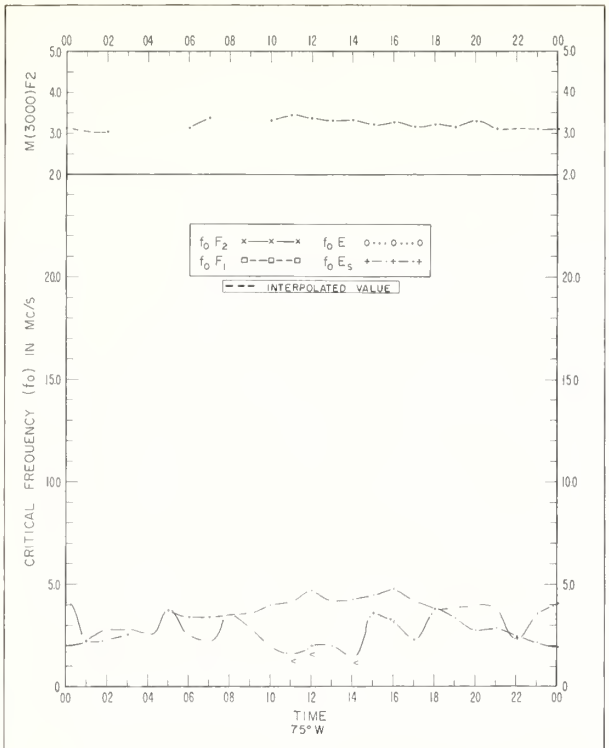

Fig 29 THULE, GREENLAND
76 4°N, 68.3°W
FEBRUARY 1963

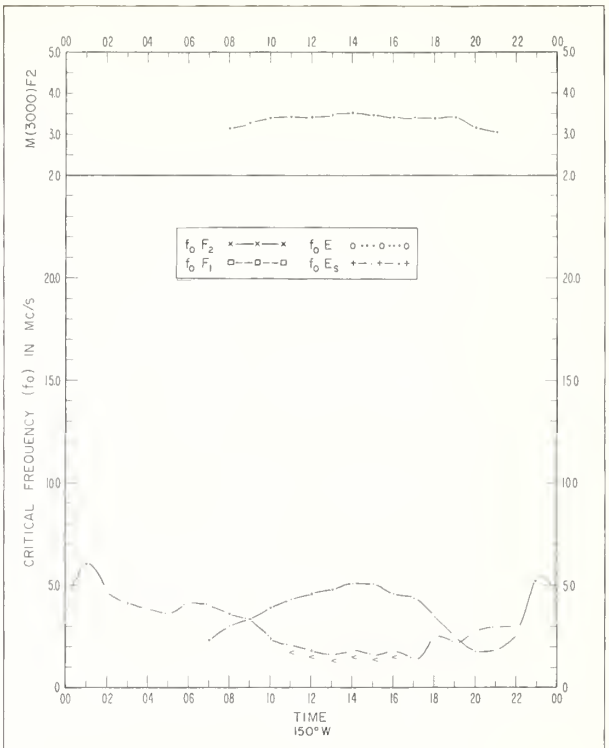

Fig 30. BARROW, ALASKA
71 3°N, 156.8° W
FEBRUARY 1963

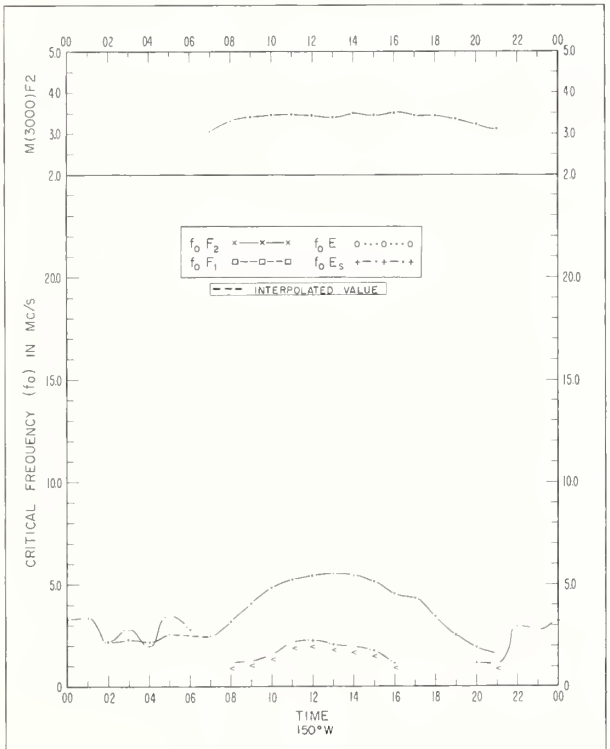

Fig. 31 COLLEGE (FAIRBANKS), ALASKA
64.9°N, 147.8°W
FEBRUARY 1963

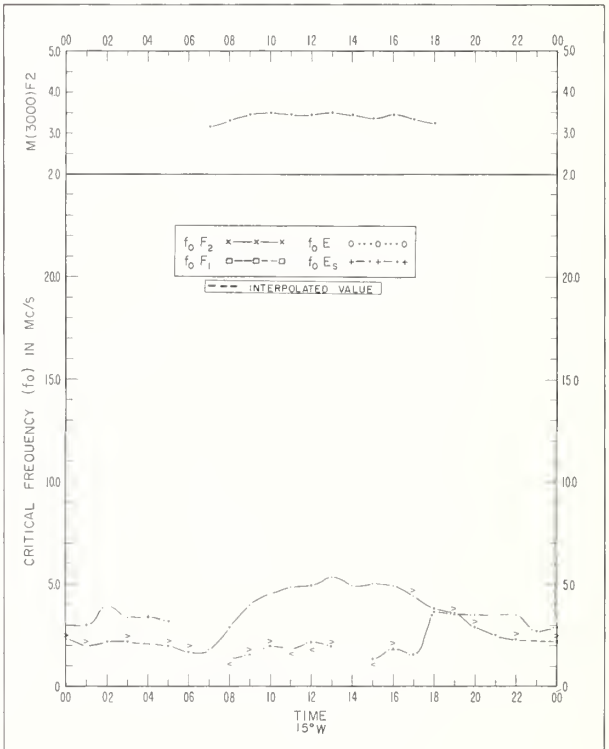

Fig. 32. REYKJAVIK, ICELAND
64.1°N, 21.8°W
FEBRUARY 1963

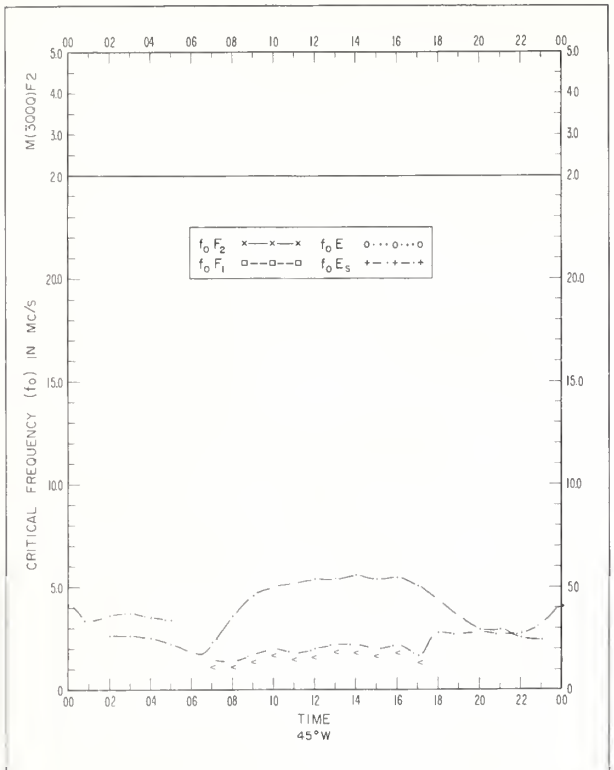

Fig 33 NARSSARSSUAQ, GREENLAND
61 2°N, 45 4°W
FEBRUARY 1963

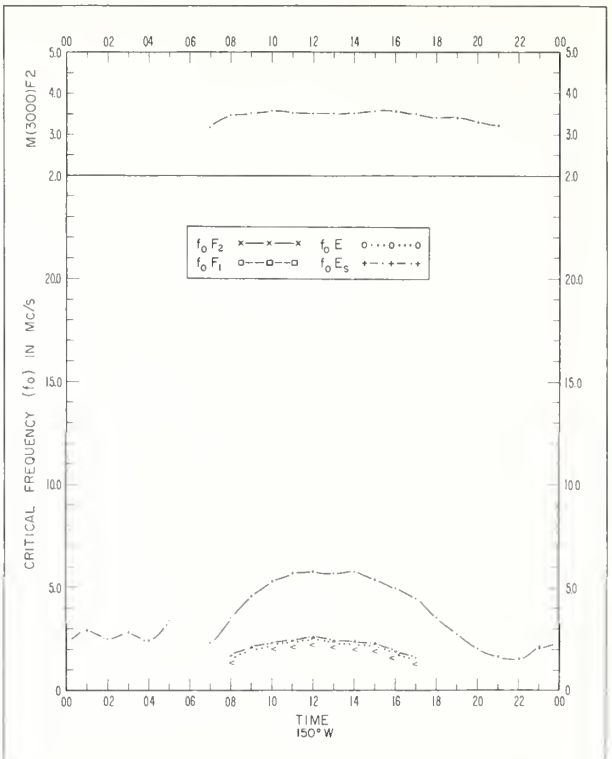

Fig 34 ANCHORAGE, ALASKA
61.2°N, 149.9°W
FEBRUARY 1963

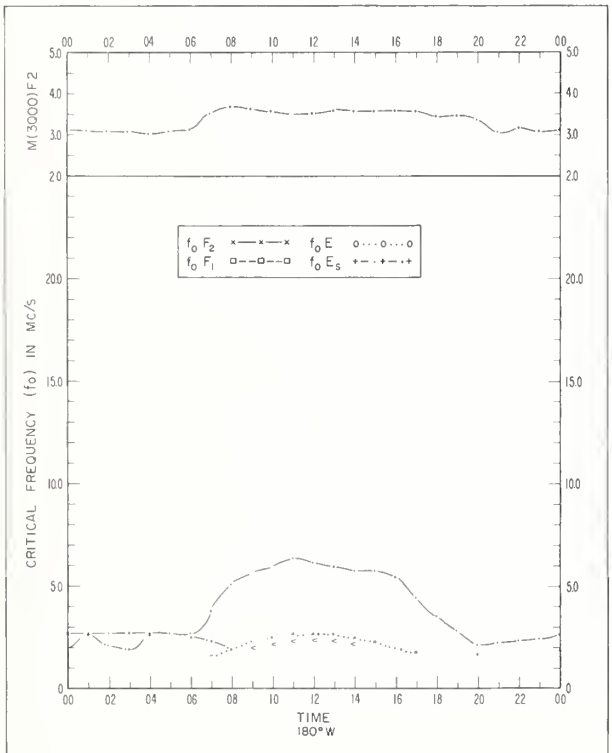

Fig 35 ADAK, ALASKA
51.9°N, 176.6°W
FEBRUARY 1963

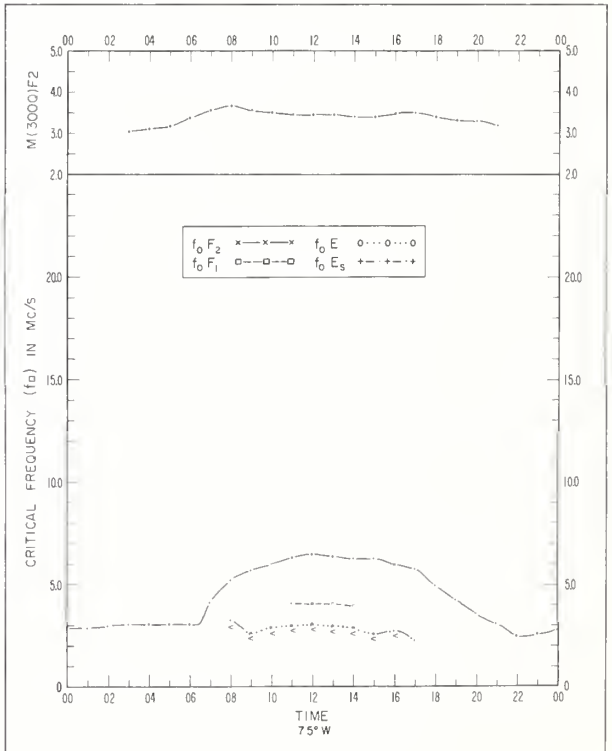

Fig 36 FT MONMOUTH, NEW JERSEY
40.4°N, 74 1°W
FEBRUARY 1963

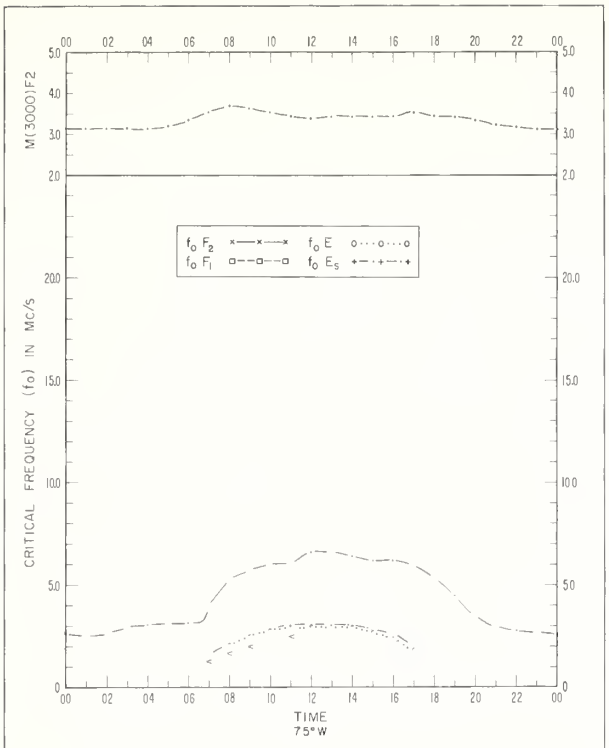

Fig.37 WASHINGTON, D C
38.7°N, 77.1°W
FEBRUARY 1963

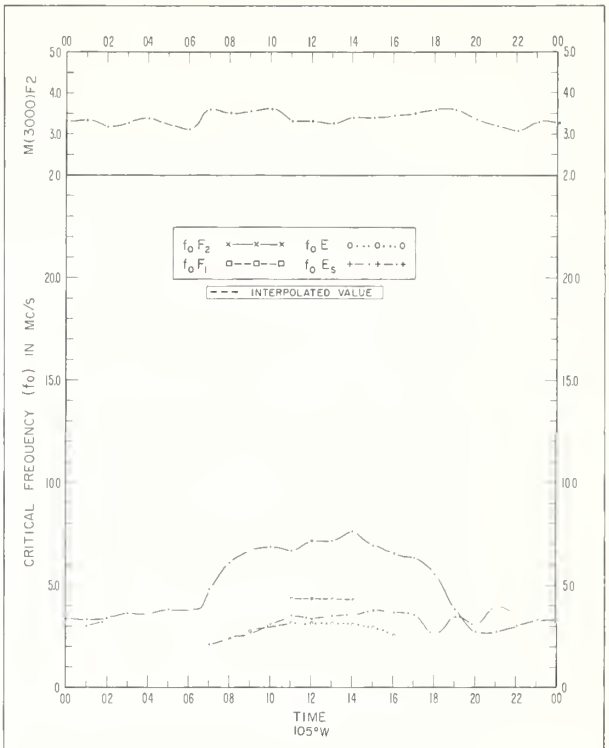

Fig 38 WHITE SANDS, NEW MEXICO
32 3°N, 106 5°W
FEBRUARY 1963

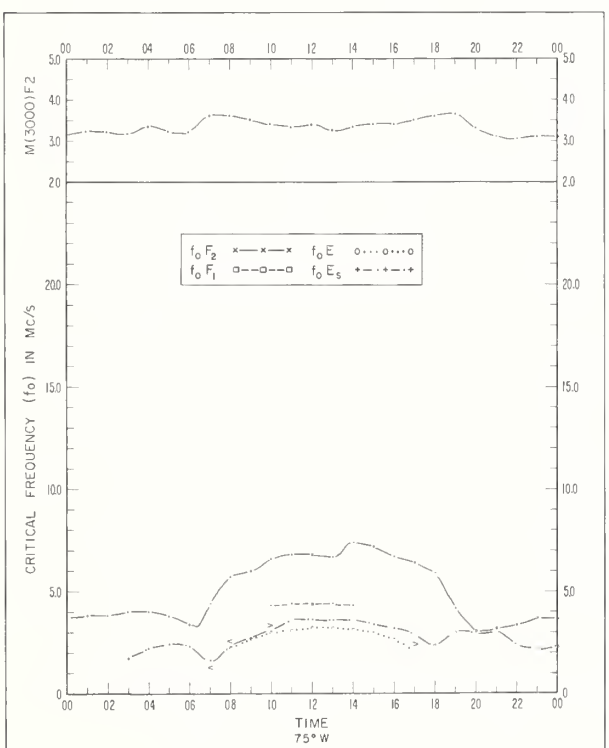

Fig 39. GRAND BAHAMA I.
26.6°N, 78.2°W
FEBRUARY 1963

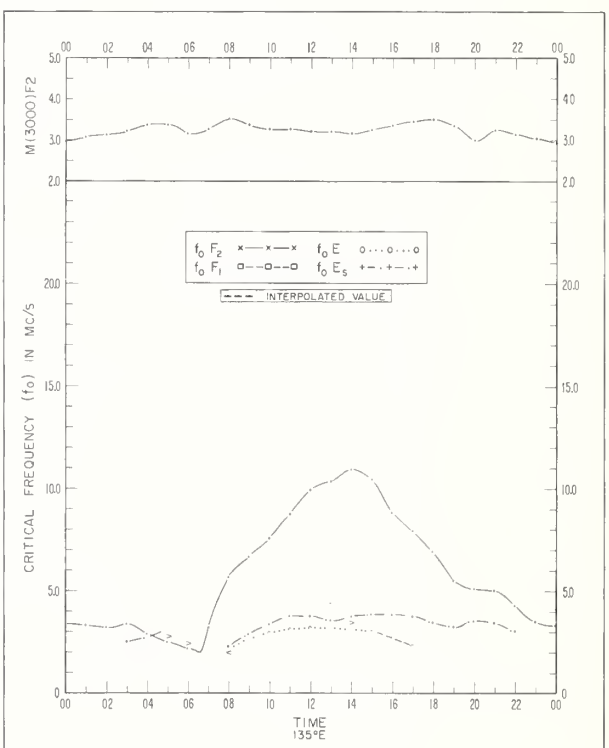

Fig. 40 OKINAWA I
26.3°N, 127 8°E
FEBRUARY 1963

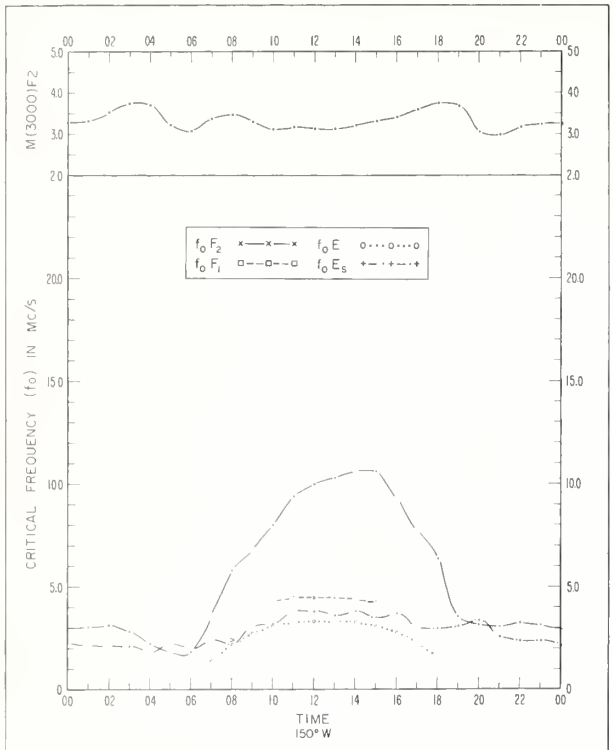

Fig 41 MAUI, HAWAII
20 8°N, 156 5°W
FEBRUARY 1963

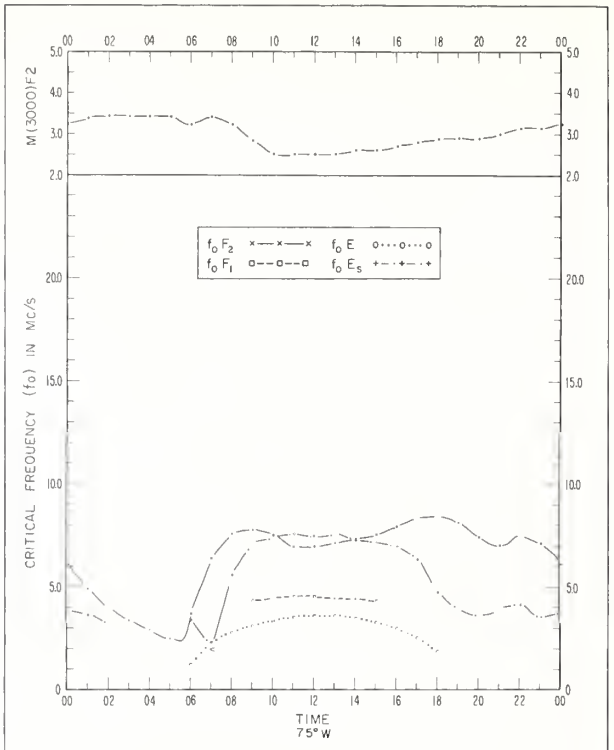

Fig 42. HUANCAYO, PERU
12 0°S, 75 3°W
FEBRUARY 1963

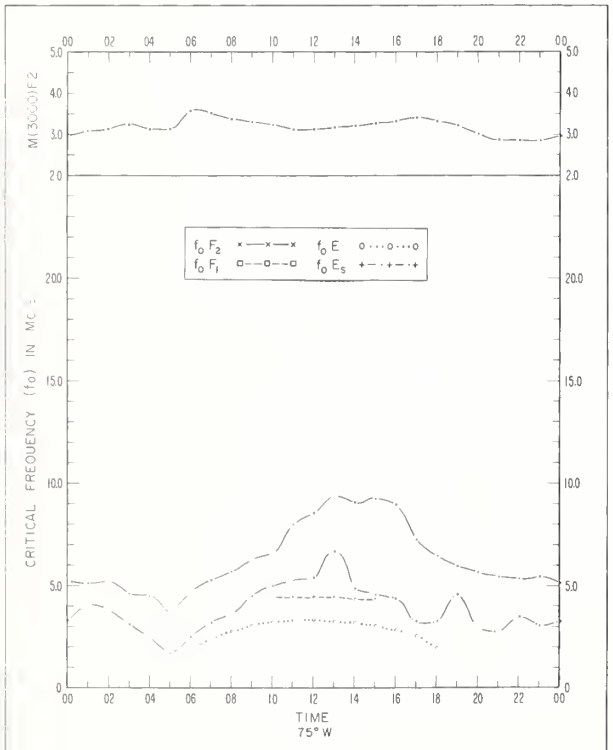

Fig 43 CONCEPCION, CHILE
36 6°S, 73.0°W
FEBRUARY 1963

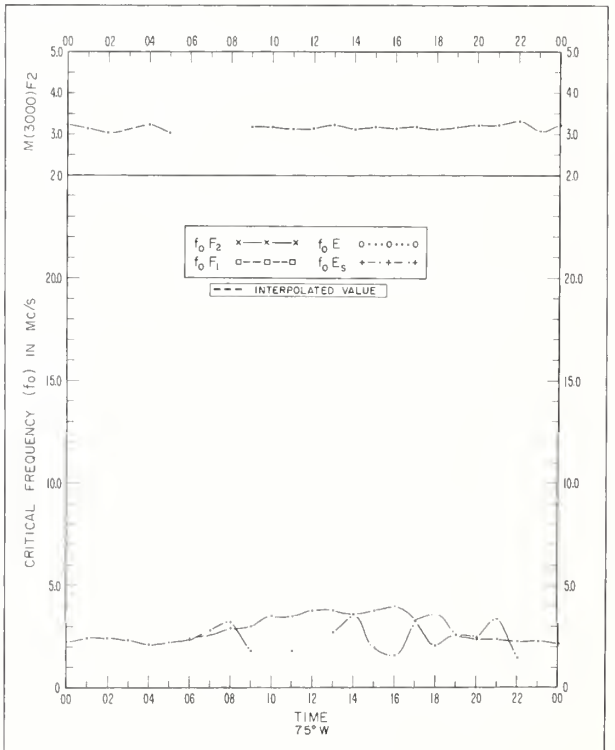

Fig 44 THULE, GREENLAND
76 4°N, 68 3°W
JANUARY 1963

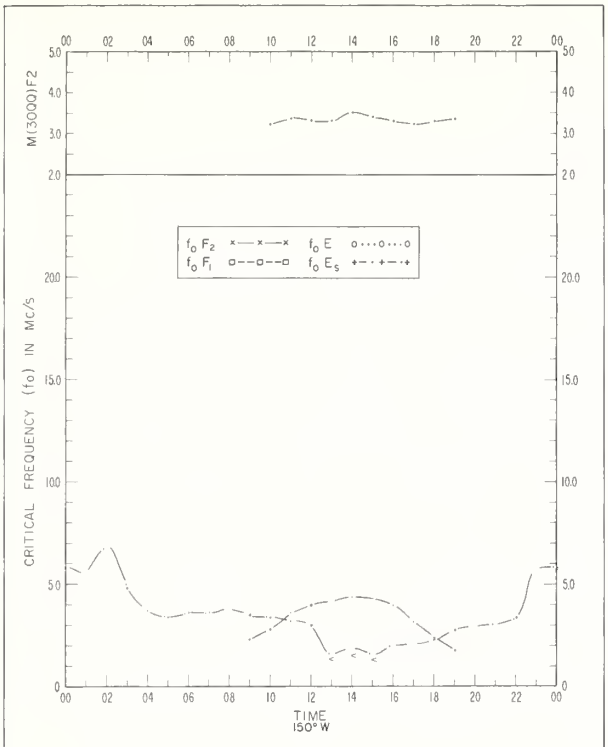

Fig. 45. BARROW, ALASKA
71.3°N, 156.8°W JANUARY 1963

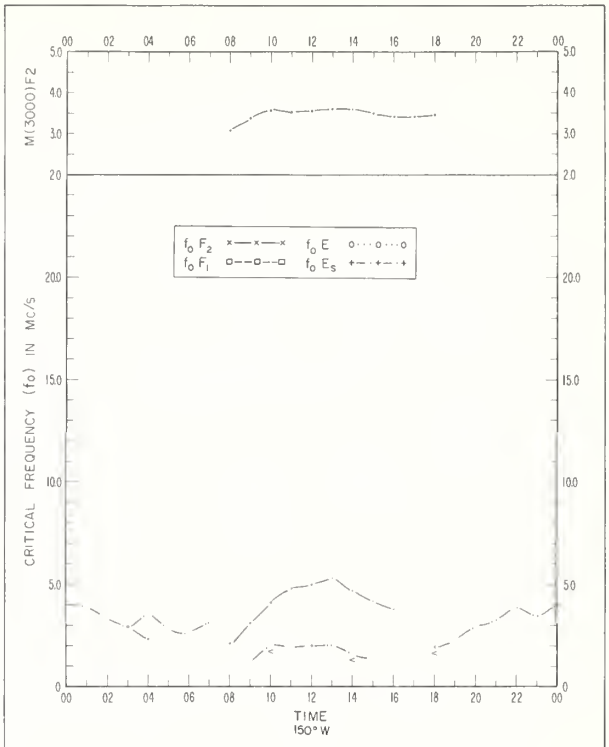

Fig. 46. COLLEGE(FAIRBANKS), ALASKA
64.9°N, 147.8°W JANUARY 1963

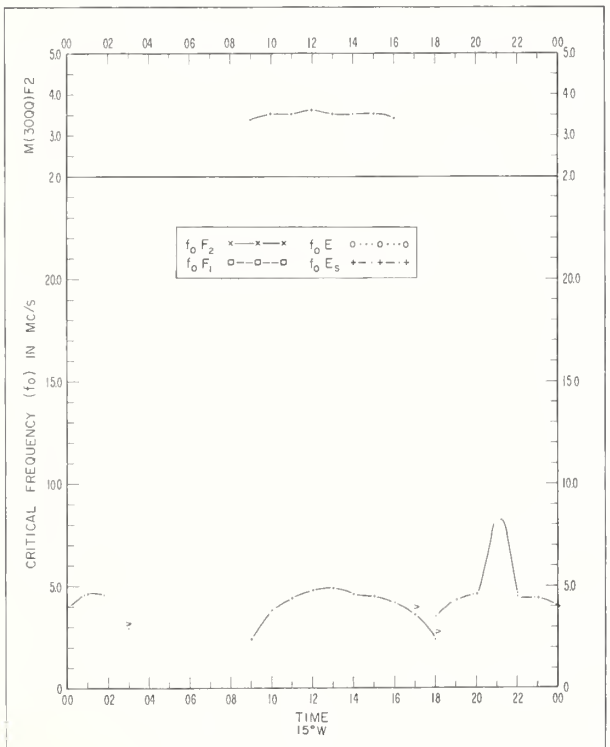

Fig. 47. REYKJAVIK, ICELAND
64.1°N, 21.8°W JANUARY 1963

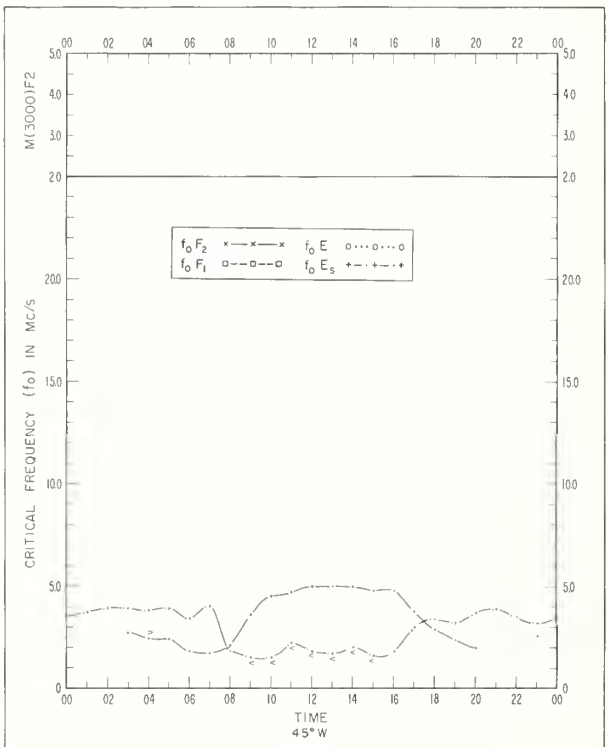

Fig. 48. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W JANUARY 1963

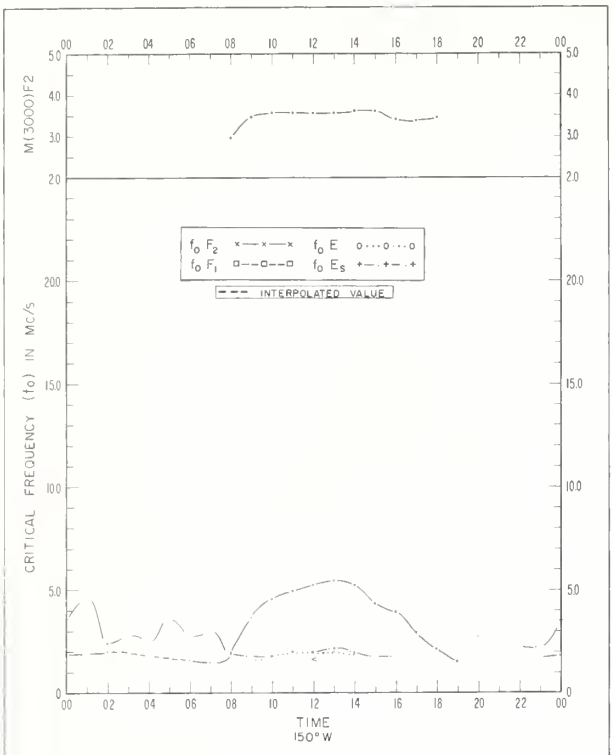

Fig 49 ANCHORAGE, ALASKA
61.2°N, 149.9°W
JANUARY 1963

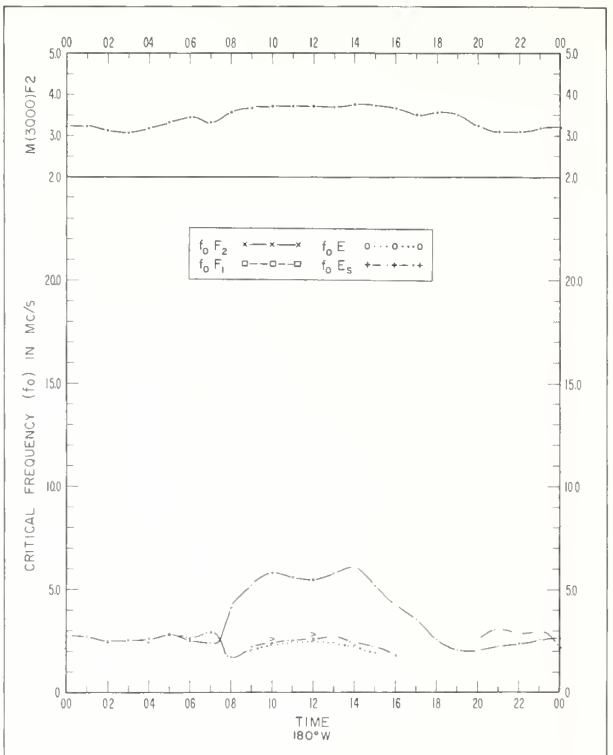

Fig 50. ADAK, ALASKA
51.9°N, 176.6°W
JANUARY 1963

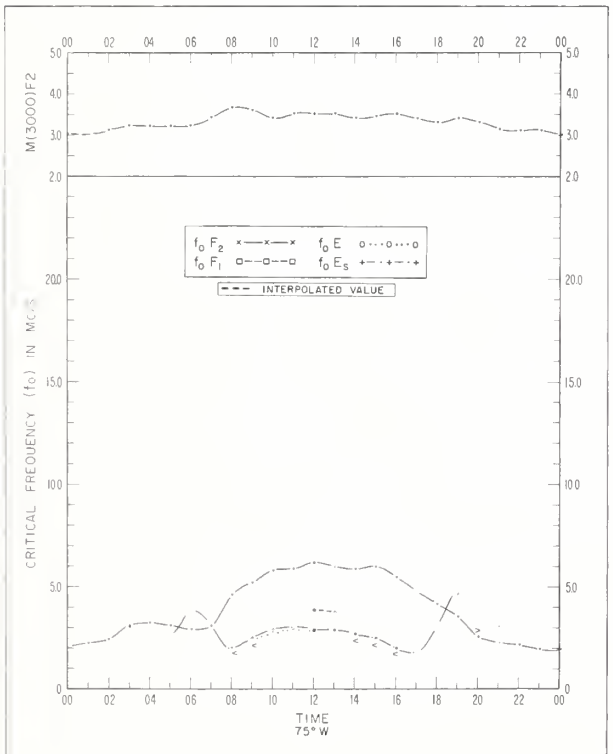

Fig 51 FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W
JANUARY 1963

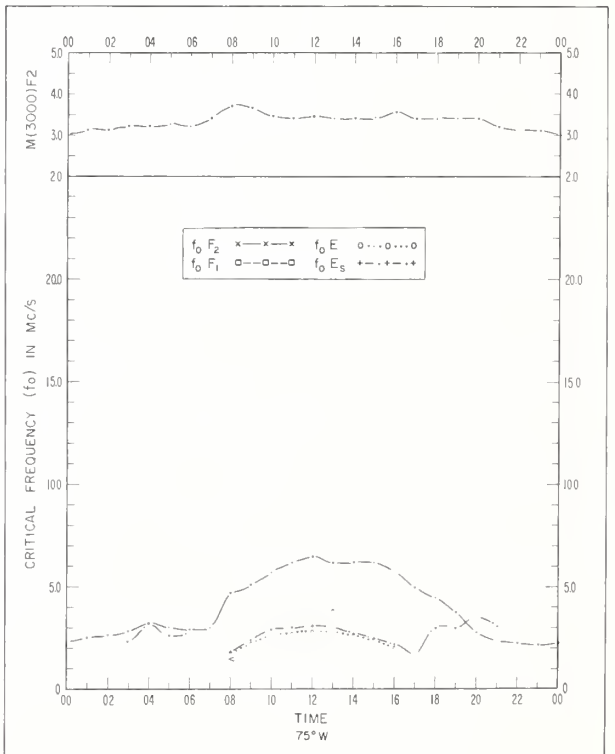

Fig 52. WASHINGTON, D.C
38.7°N, 77.1°W
JANUARY 1963

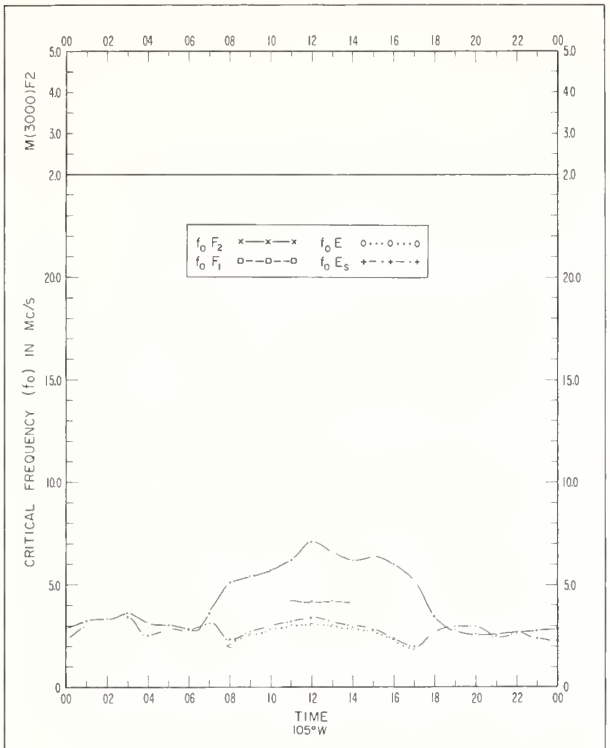

Fig. 53. WHITE SANDS, NEW MEXICO
32.3°N, 106.5°W JANUARY 1963

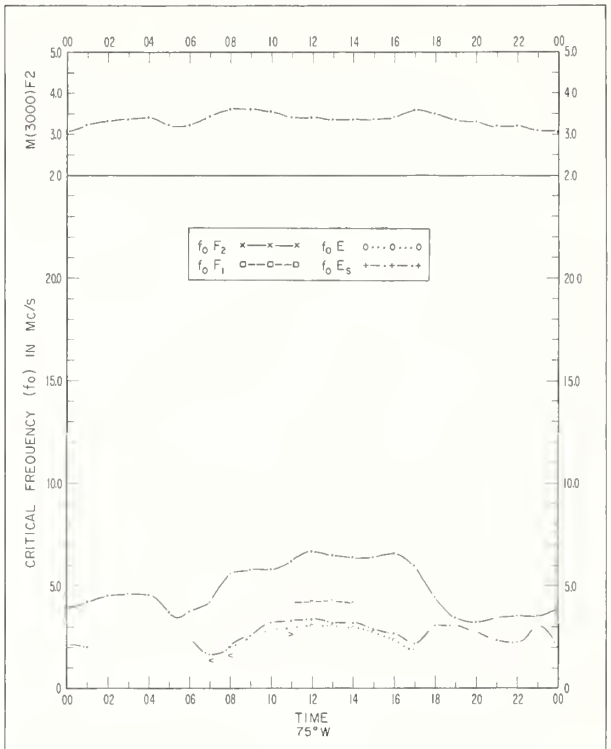

Fig 54. GRAND BAHAMA I.
26.6°N, 78.2°W JANUARY 1963

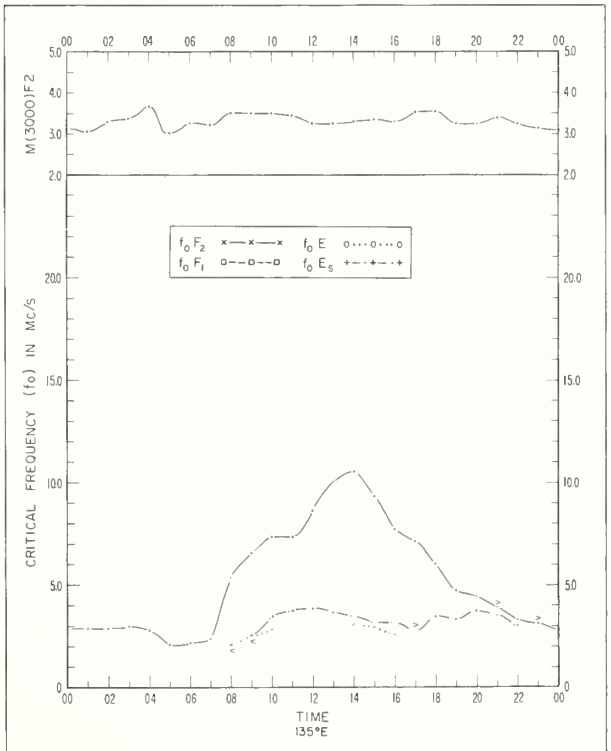

Fig. 55. OKINAWA I.
26.3°N, 127.8°E JANUARY 1963

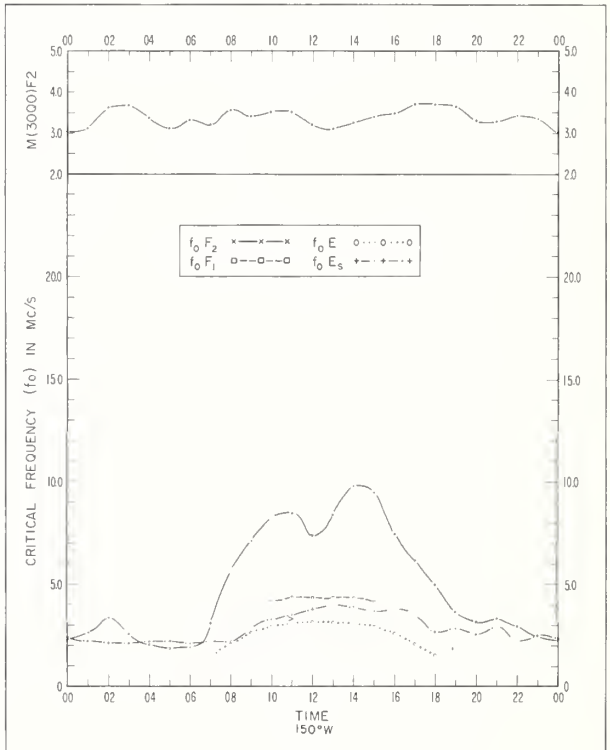

Fig 56. MAUI, HAWAII
20 8°N, 156.5°W JANUARY 1963

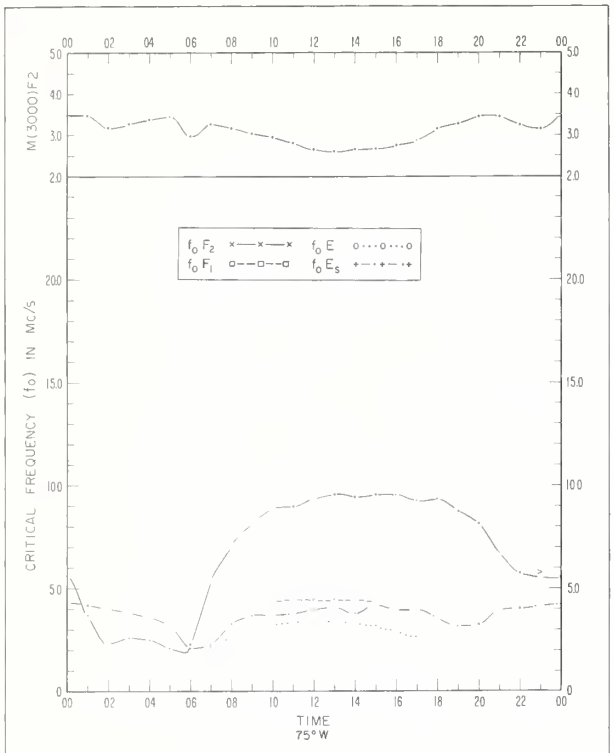

Fig 57 TALARA, PERU
4 6°S, 81 3°W
JANUARY 1963

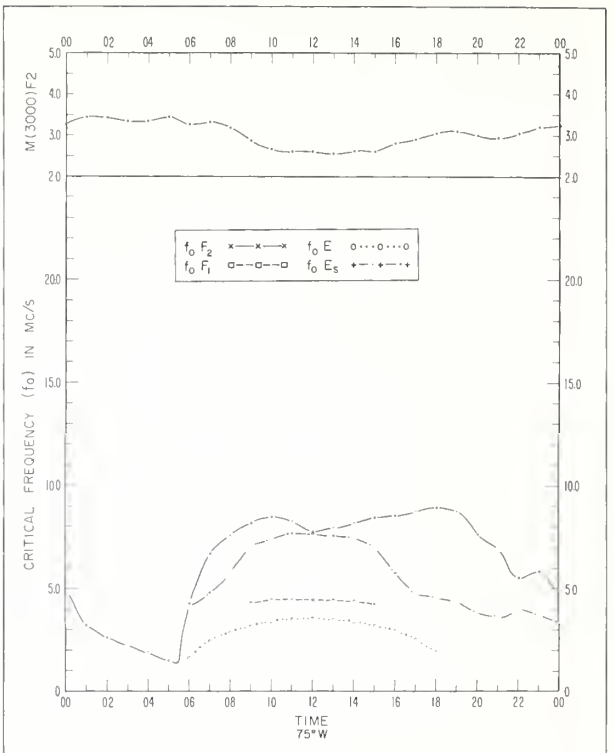

Fig 58 HUANCAYO, PERU
12 0°S, 75 3° W
JANUARY 1963

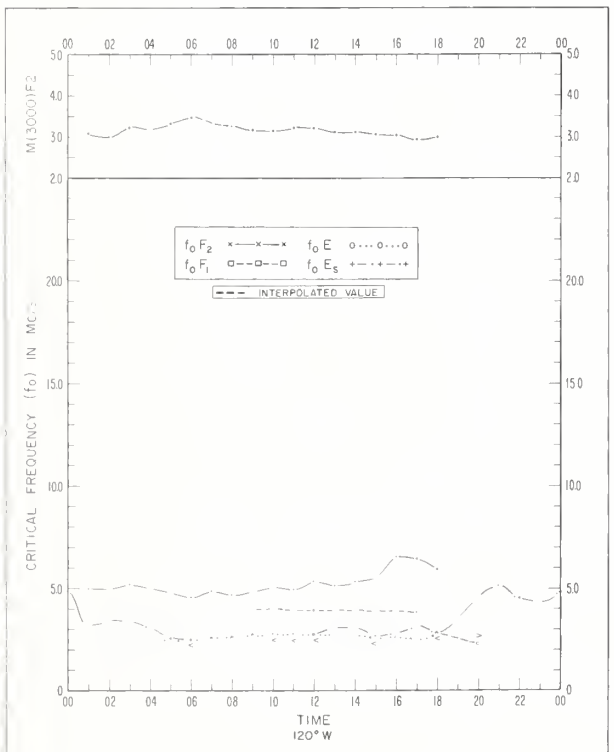

Fig 59 BYRD STATION, ANTARCTICA
80 0°S, 120 0°W
JANUARY 1963

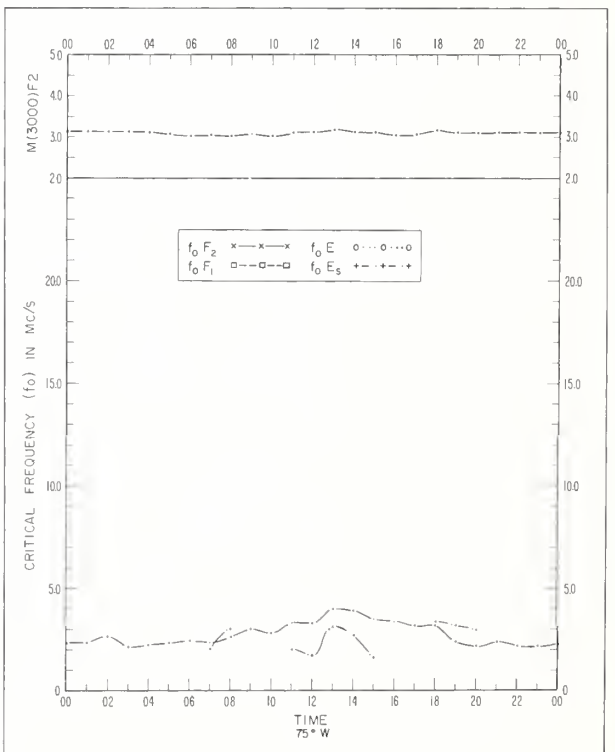

Fig 60. THULE, GREENLAND
76 4°N, 68 3°W
DECEMBER 1962

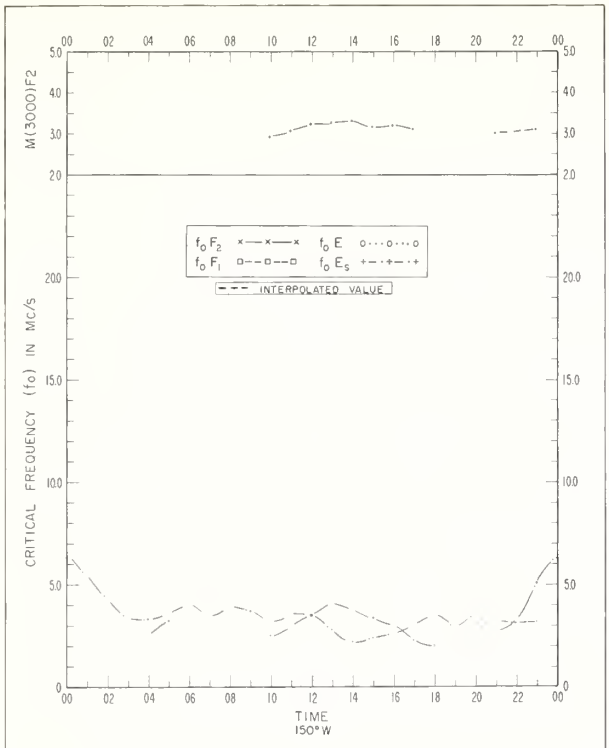

Fig 61. BARROW, ALASKA
71.3°N, 156.8°W
DECEMBER 1962

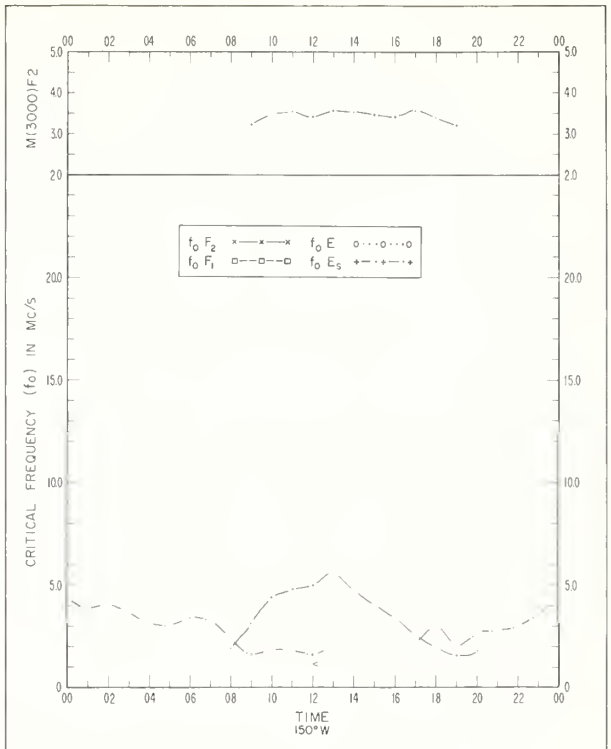

Fig 62 COLLEGE (FAIRBANKS), ALASKA
64.9°N, 147.8°W
DECEMBER 1962

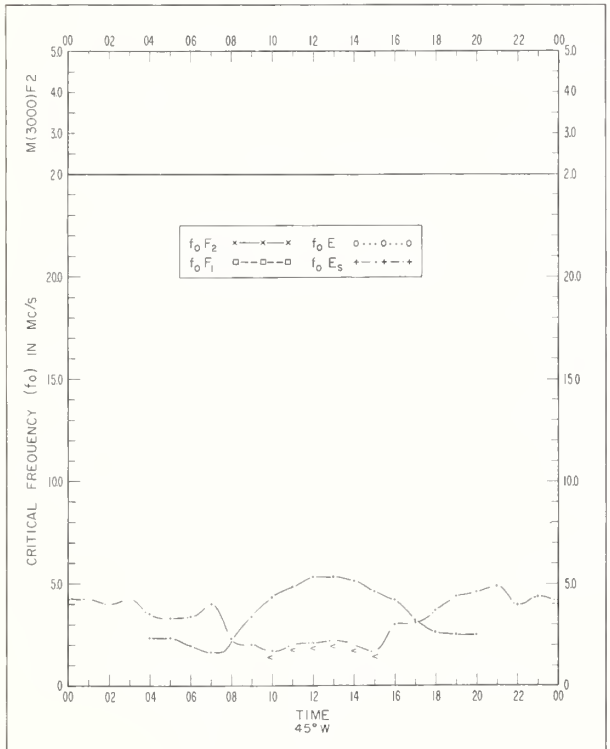

Fig 63. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W
DECEMBER 1962

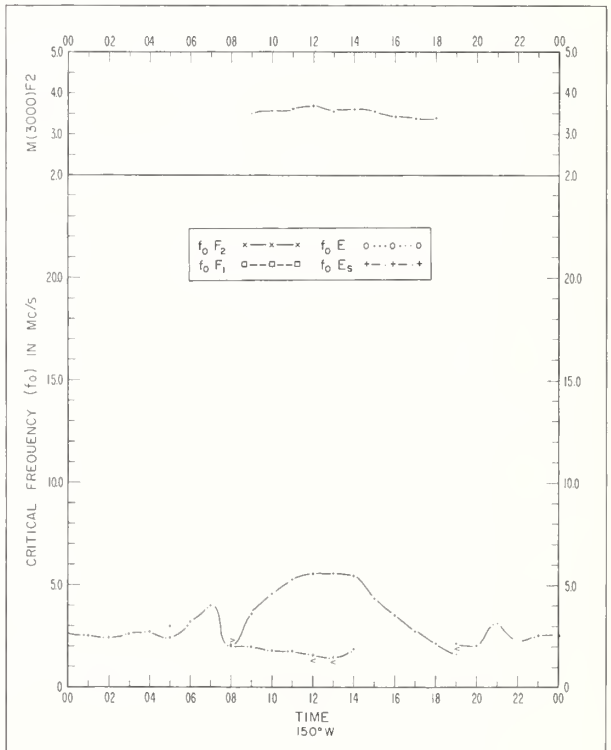

Fig 64 ANCHORAGE, ALASKA
61.2°N, 149.9°W
DECEMBER 1962

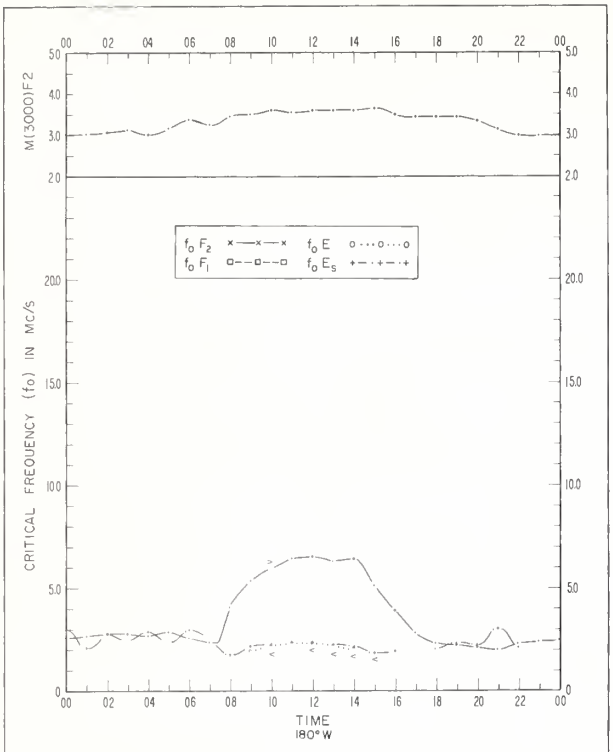

Fig 65 ADAK, ALASKA
51 9°N, 176 6°W
DECEMBER 1962

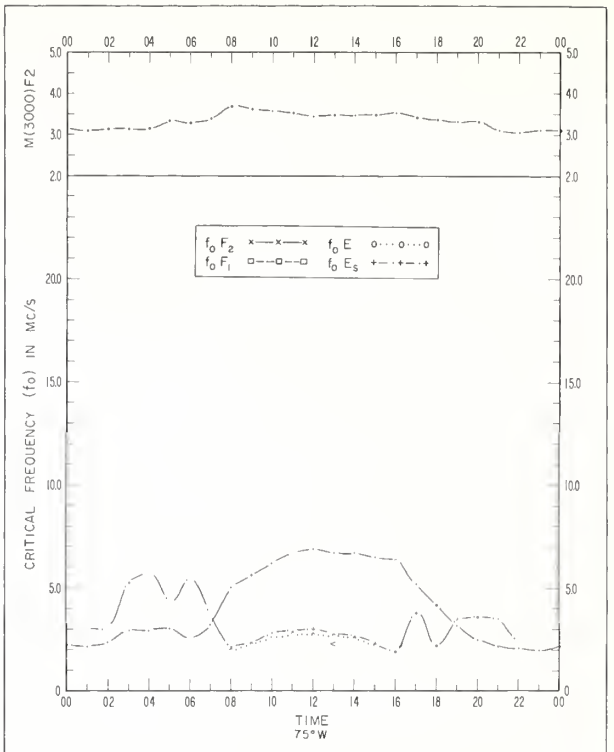

Fig. 66. FT MONMOUTH, NEW JERSEY
40 4°N, 74.1°W
DECEMBER 1962

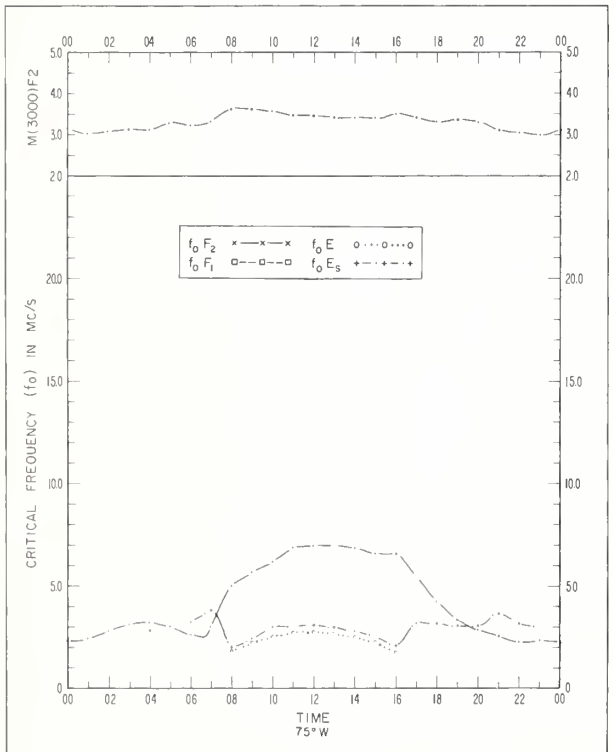

Fig 67 WASHINGTON, D.C
38.7°N, 77 1°W
DECEMBER 1962

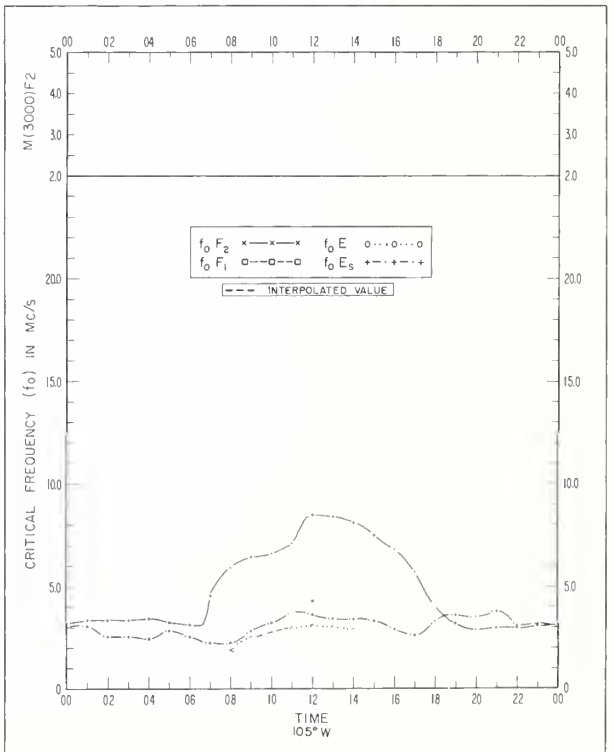

Fig 68. WHITE SANDS, NEW MEXICO
32 3°N, 106.5°W
DECEMBER 1962

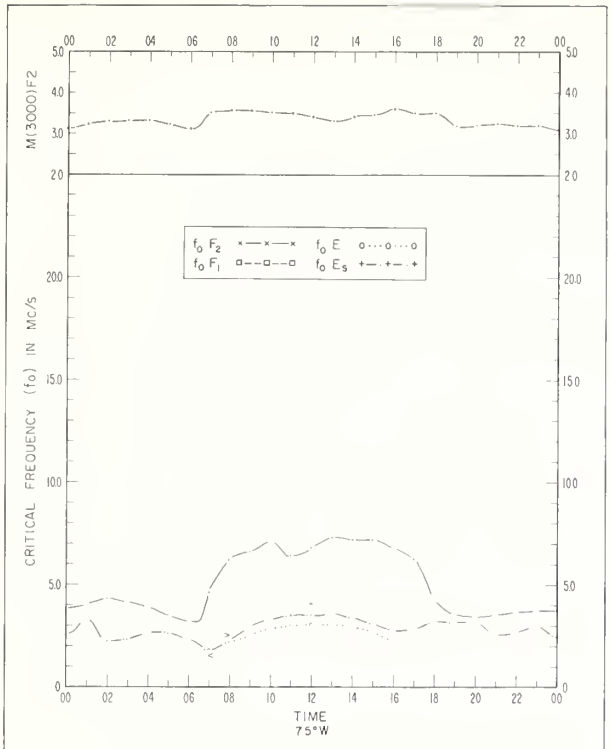

Fig 69. GRAND BAHAMA I
26 6°N, 78 2°W
DECEMBER 1962

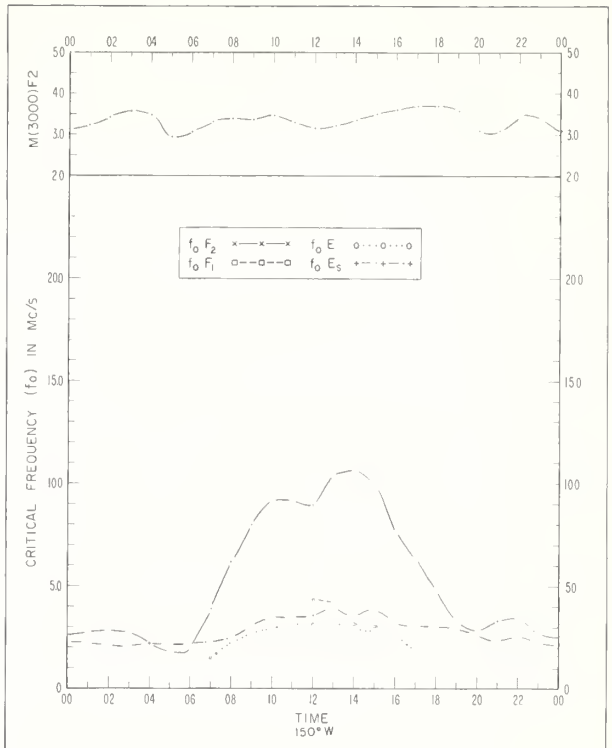

Fig 70. MAUI, HAWAII
20 8°N, 156 5°W
DECEMBER 1962

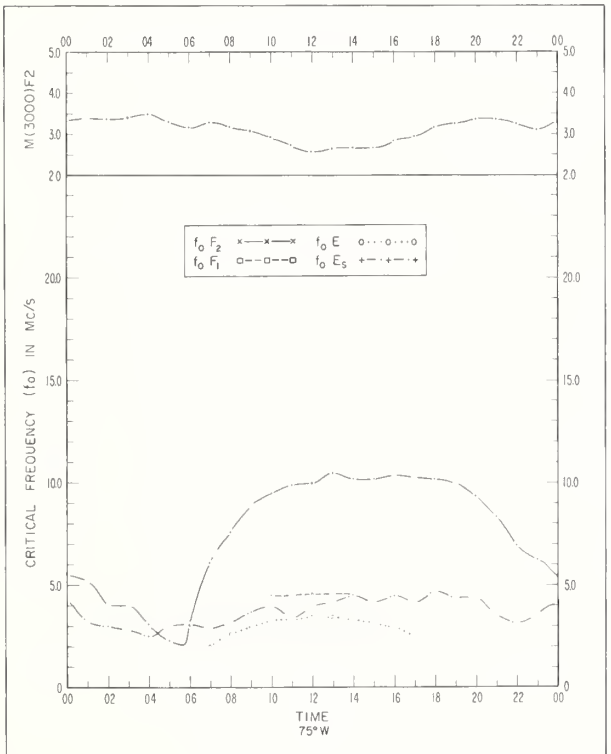

Fig. 71. TALARA, PERU
4 6°S, 81 3°W
DECEMBER 1962

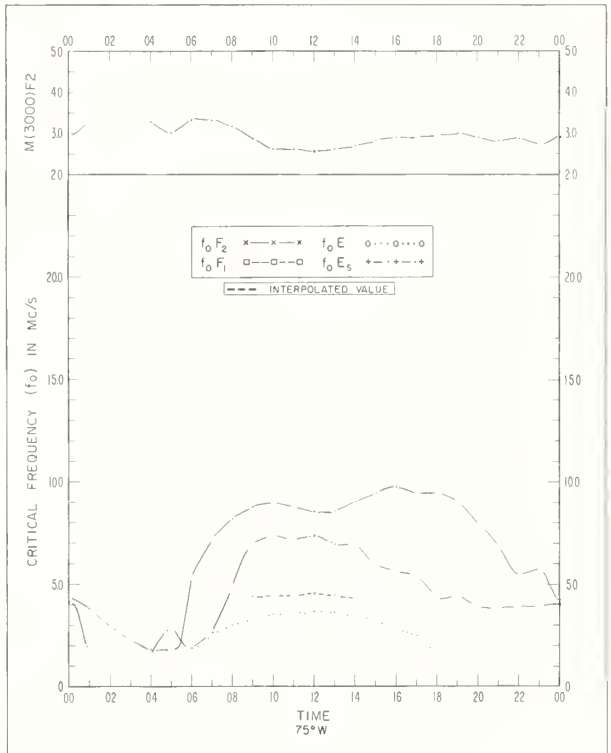

Fig 72 HUANCAYO, PERU
12 0°S, 75.3°W
DECEMBER 1962

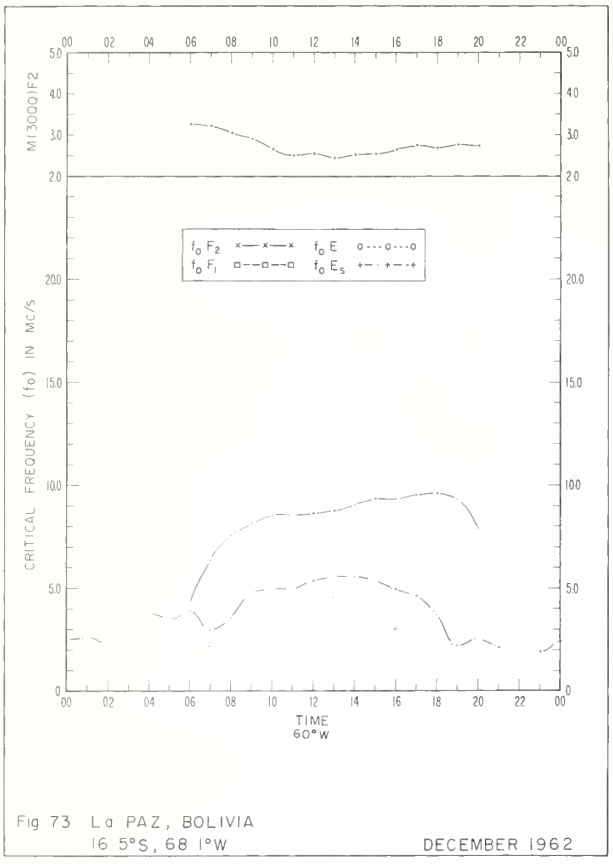

Fig 73 La PAZ, BOLIVIA
16 5°S, 68 1°W
DECEMBER 1962

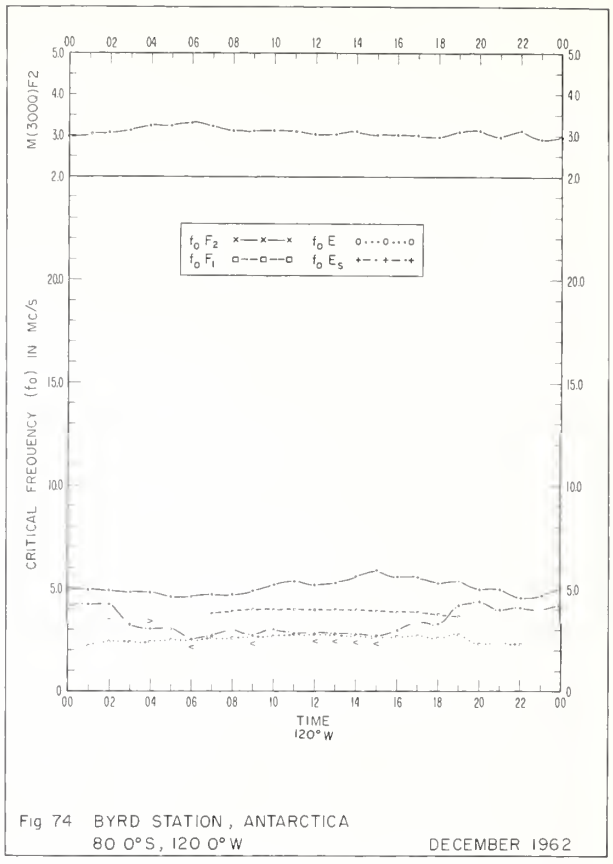

Fig 74 BYRD STATION, ANTARCTICA
80 0°S, 120 0°W
DECEMBER 1962

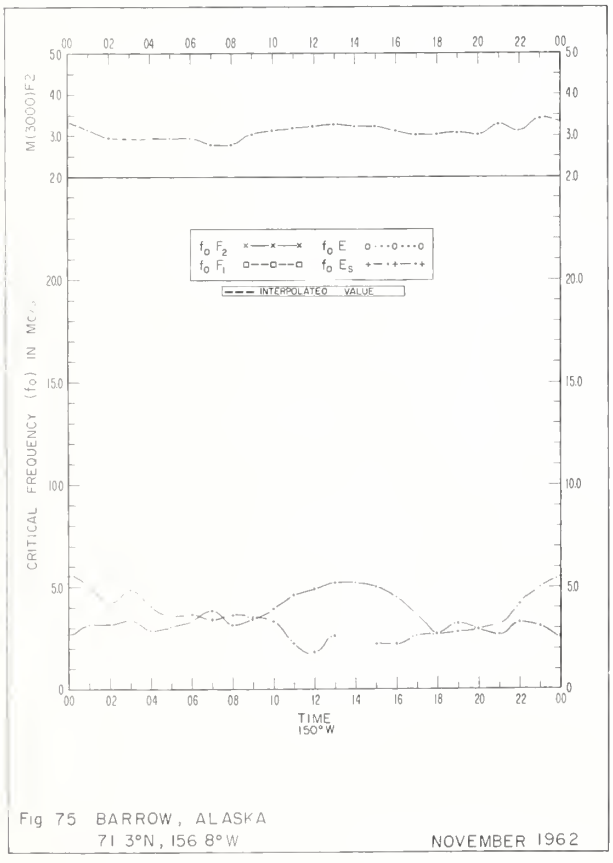

Fig 75 BARROW, ALASKA
71 3°N, 156 8°W
NOVEMBER 1962

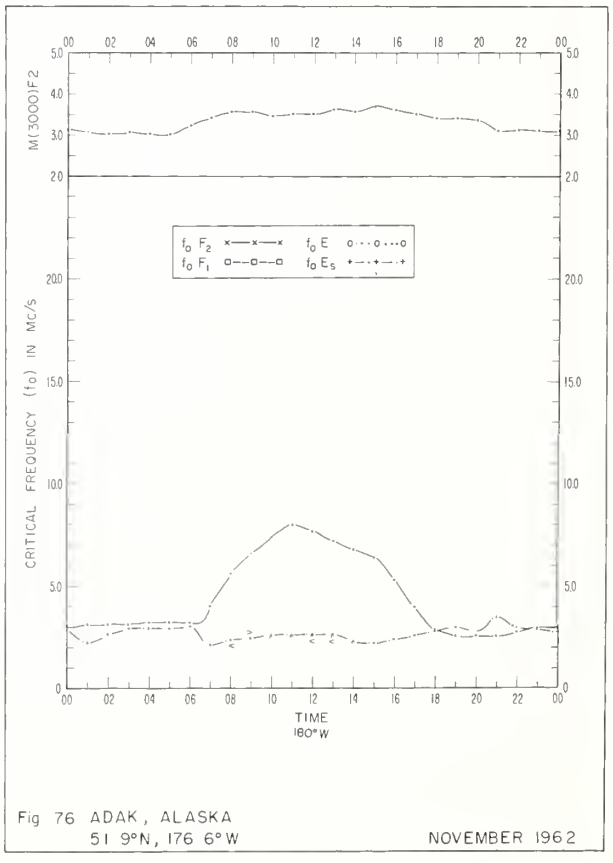

Fig 76 ADAK, ALASKA
51 9°N, 176 6°W
NOVEMBER 1962

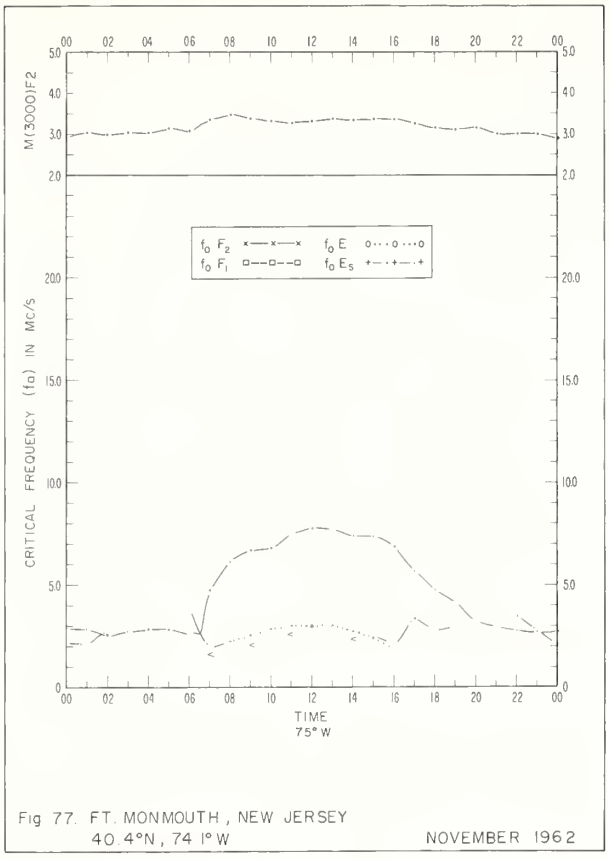

Fig 77. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1° W NOVEMBER 1962

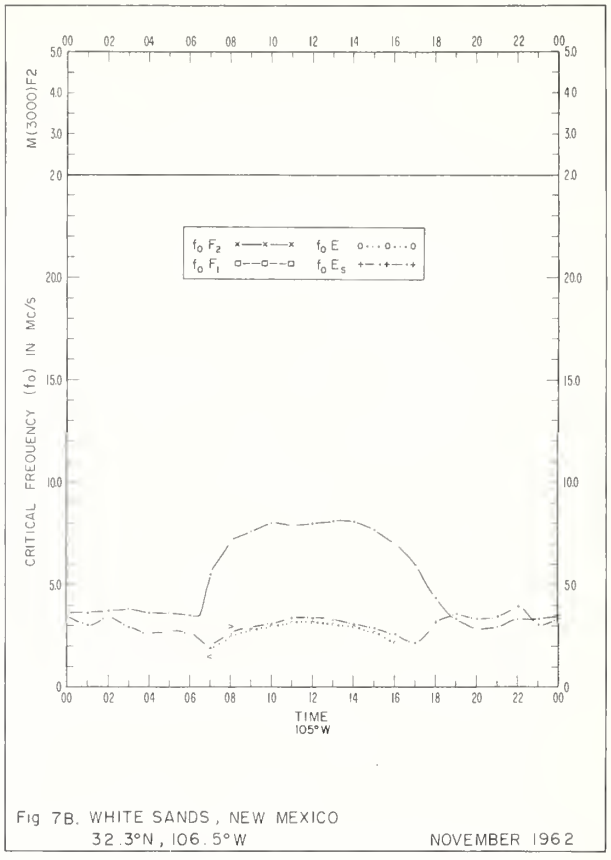

Fig 78. WHITE SANDS, NEW MEXICO
32.3°N, 106.5° W NOVEMBER 1962

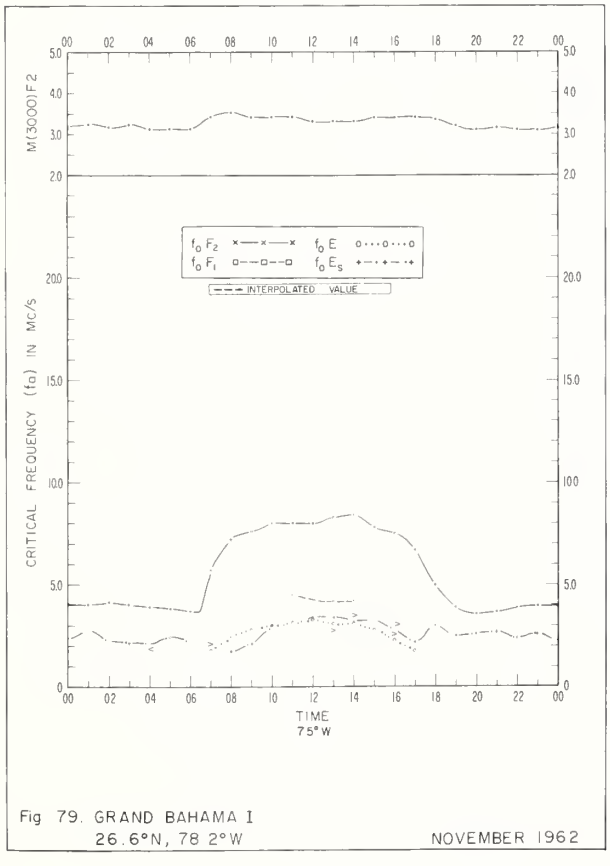

Fig 79. GRAND BAHAMA I
26.6°N, 78.2° W NOVEMBER 1962

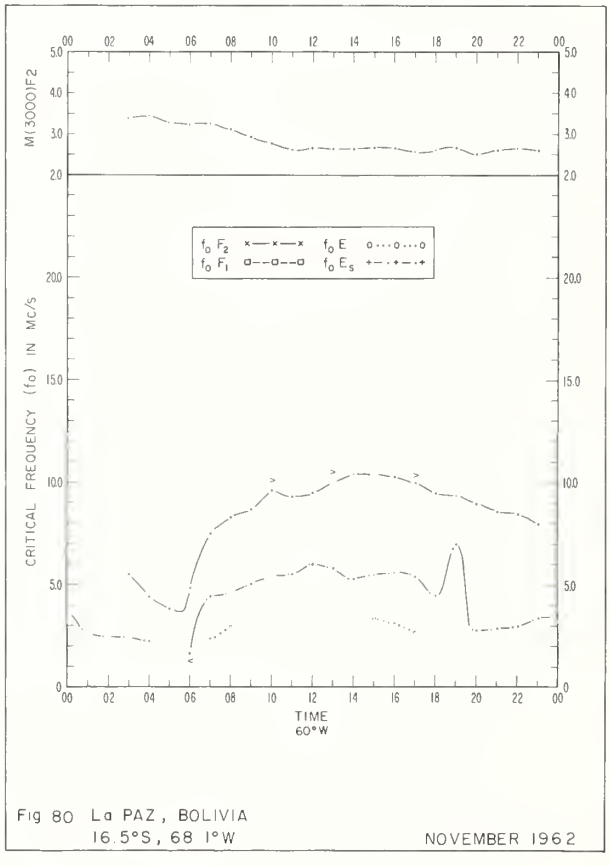

Fig 80 La PAZ, BOLIVIA
16.5°S, 68.1° W NOVEMBER 1962

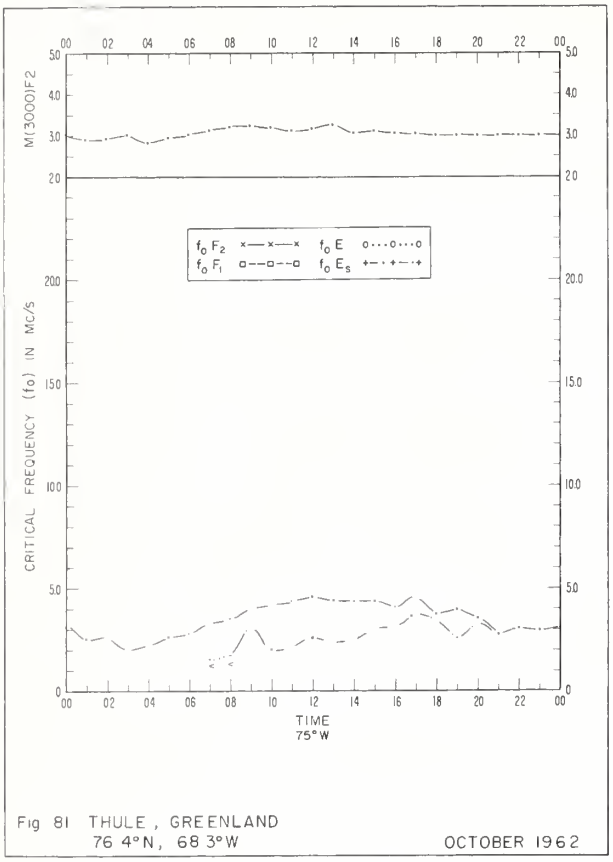

Fig 81 THULE, GREENLAND
76.4°N, 68.3°W
OCTOBER 1962

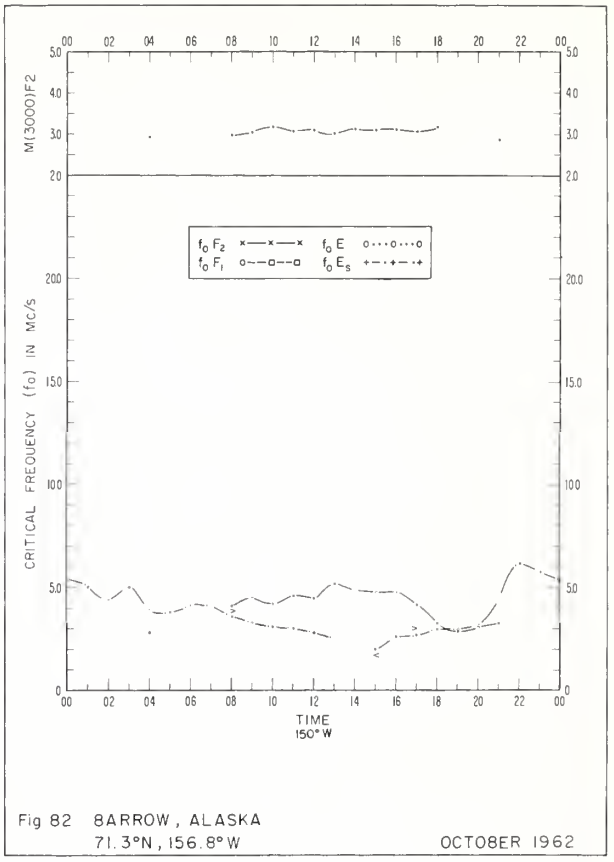

Fig 82 BARROW, ALASKA
71.3°N, 156.8°W
OCTOBER 1962

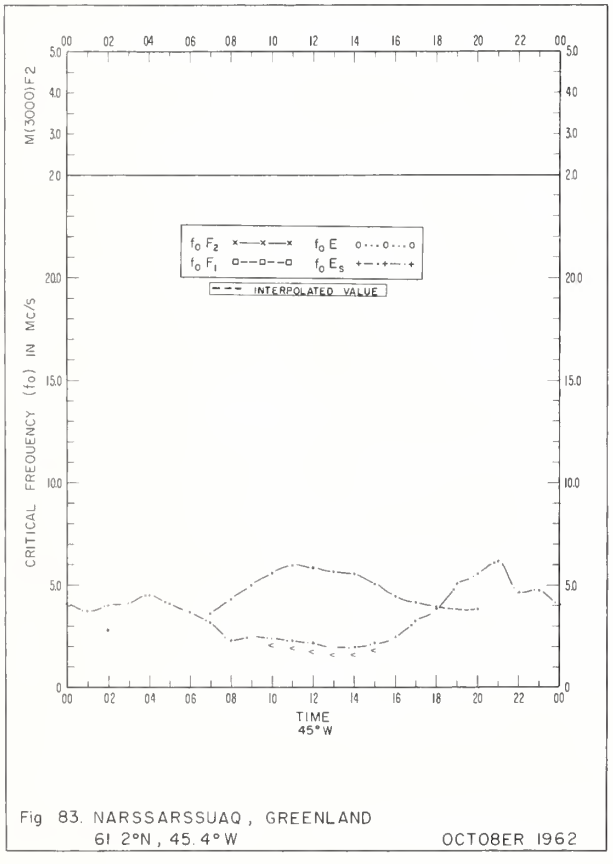

Fig 83. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W
OCTOBER 1962

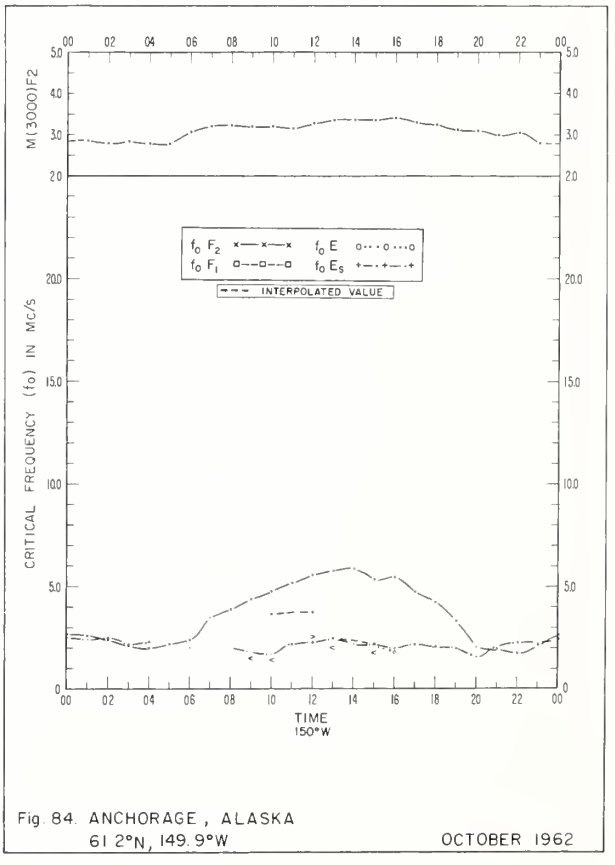

Fig. 84. ANCHORAGE, ALASKA
61.2°N, 149.9°W
OCTOBER 1962

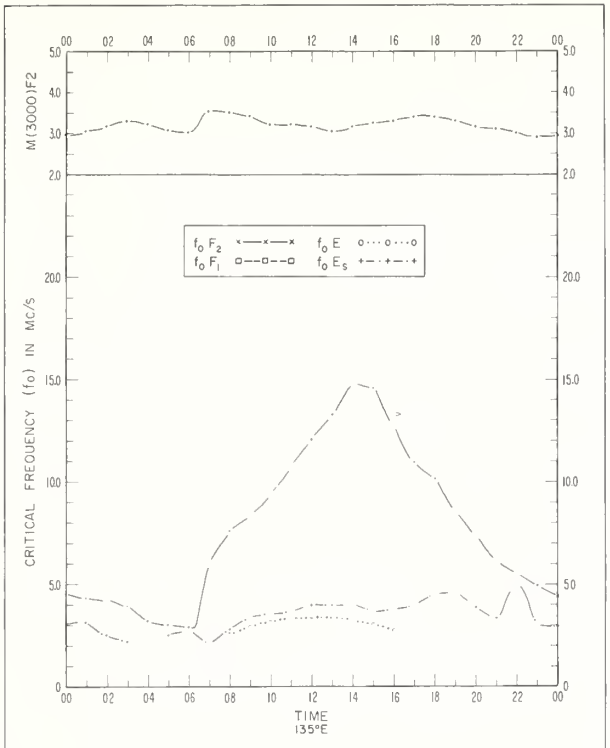

Fig 85. OKINAWA I
26 3°N, 127 8°E
OCTOBER 1962

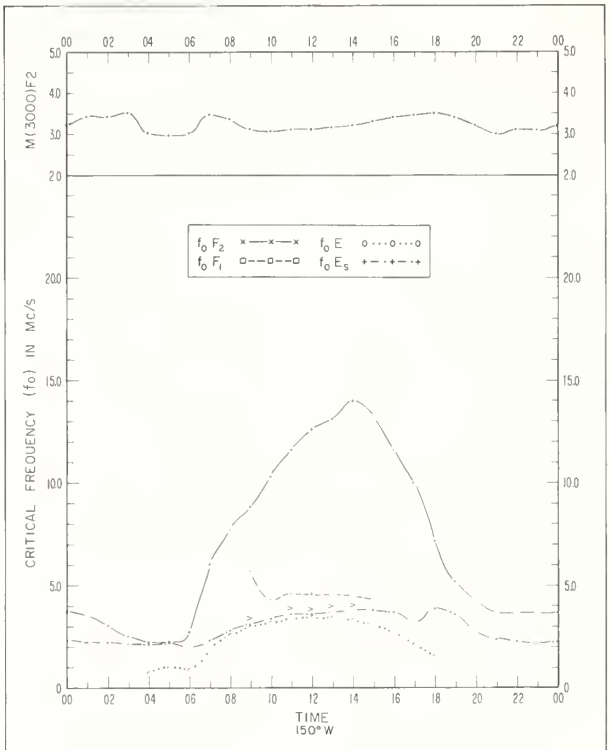

Fig 86 MAUI, HAWAII
20.8°N, 156 5°W
OCTOBER 1962

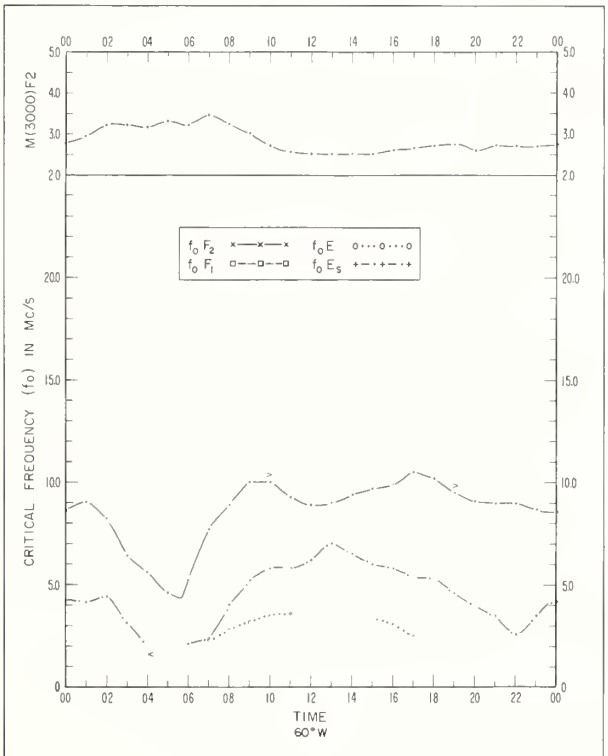

Fig 87. Lo PAZ, BOLIVIA
16.5°S, 68.1°W
OCTOBER 1962

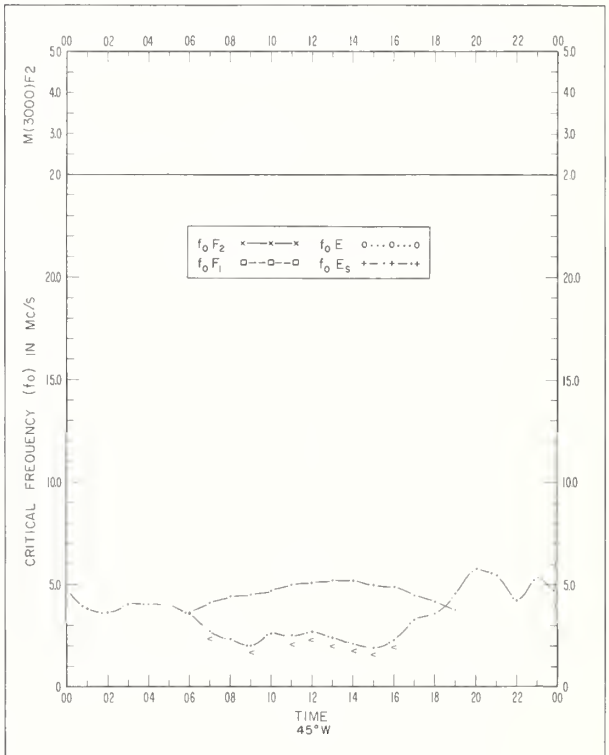

Fig 88. NARSSARSSUAQ, GREENLAND
61 2°N, 45 4°W
SEPTEMBER 1962

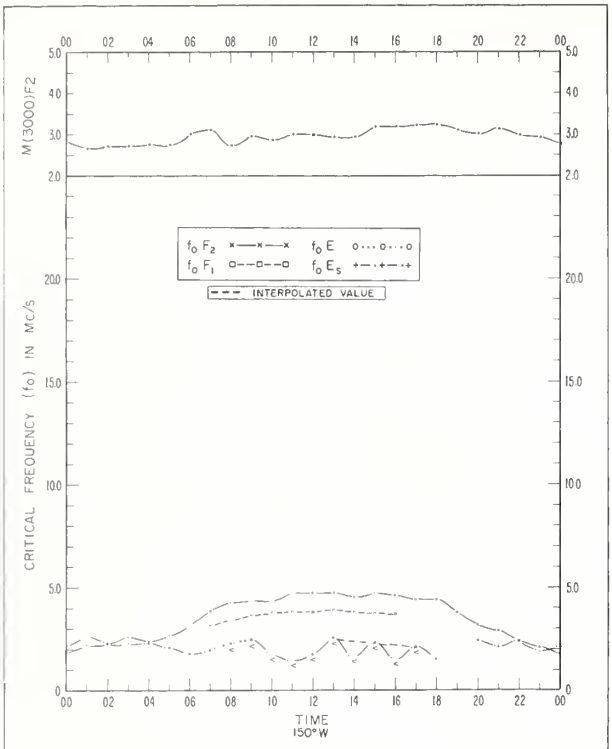

Fig 89 ANCHORAGE, ALASKA
61 2°N, 149 9°W SEPTEMBER 1962

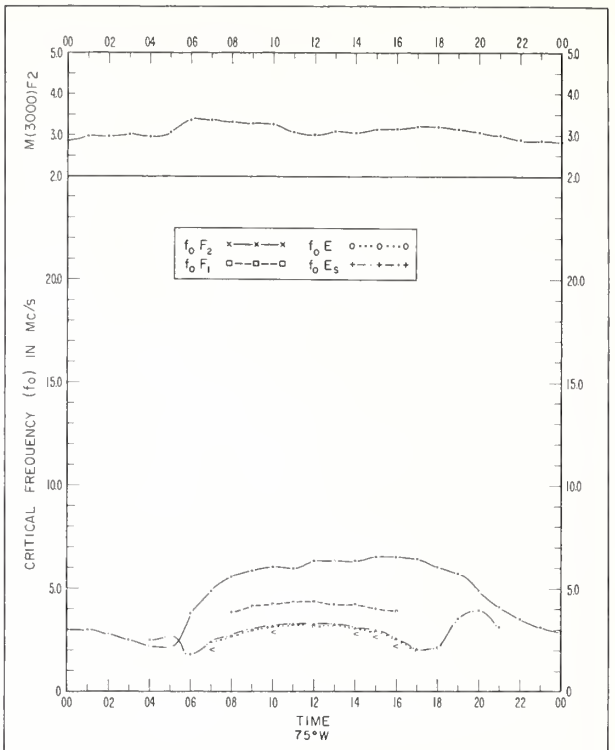

Fig 90. FT MONMOUTH, NEW JERSEY
40.4°N, 74 1°W SEPTEMBER 1962

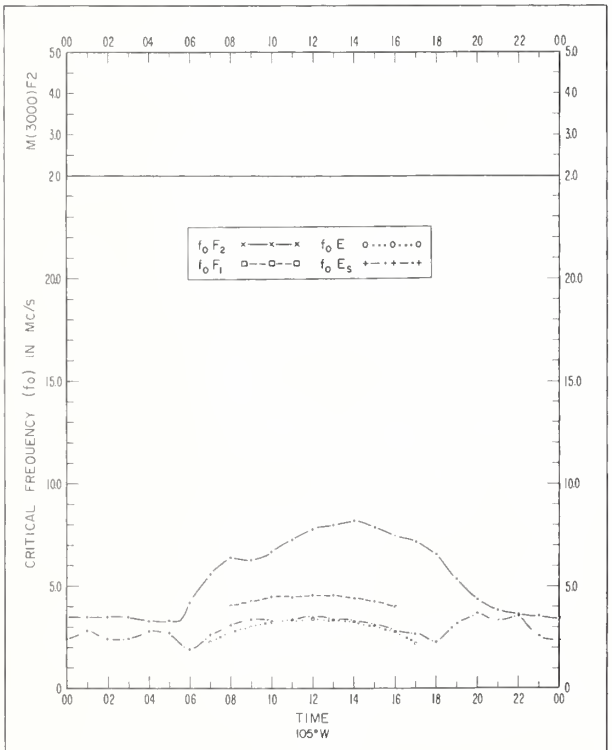

Fig 91 WHITE SANDS, NEW MEXICO
32.3°N, 106.5°W SEPTEMBER 1962

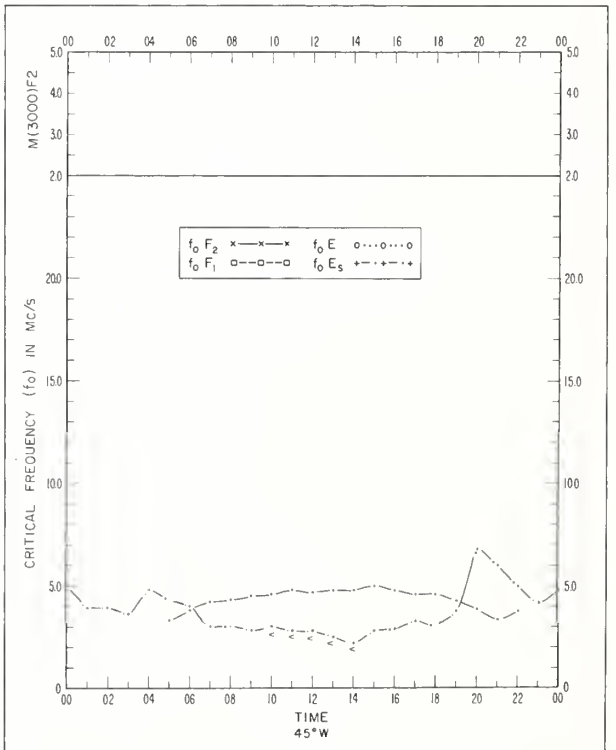

Fig. 92. NARSSARSSUAQ, GREENLAND
61.2°N, 45 4°W AUGUST 1962

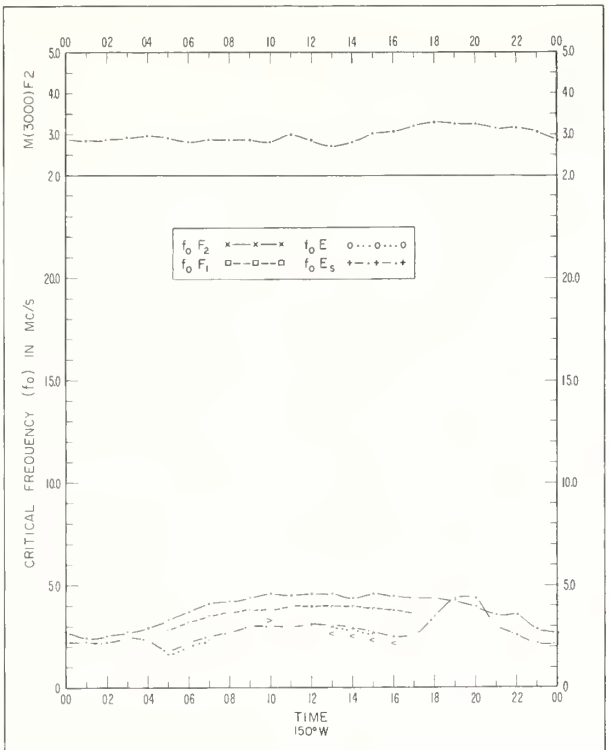

Fig. 93 ANCHORAGE, ALASKA
61 2°N, 149 9°W
AUGUST 1962

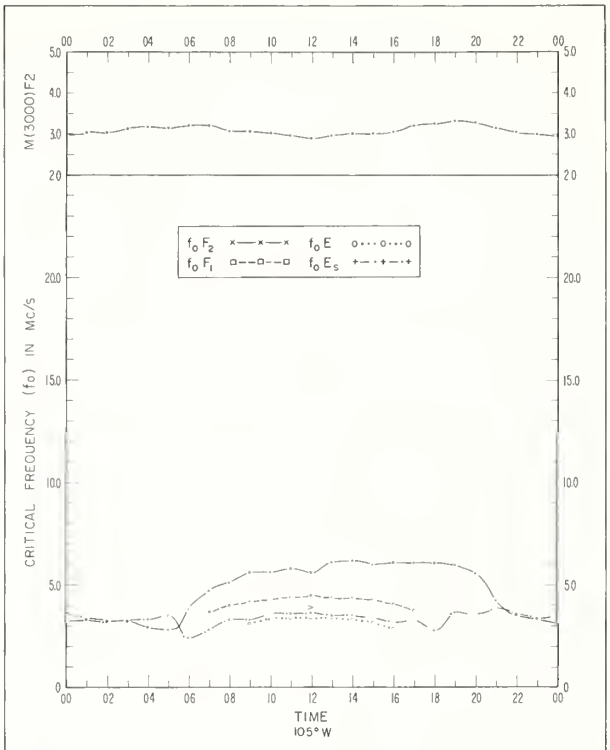

Fig 94 WHITE SANDS, NEW MEXICO
32.3°N, 106 5°W
AUGUST 1962

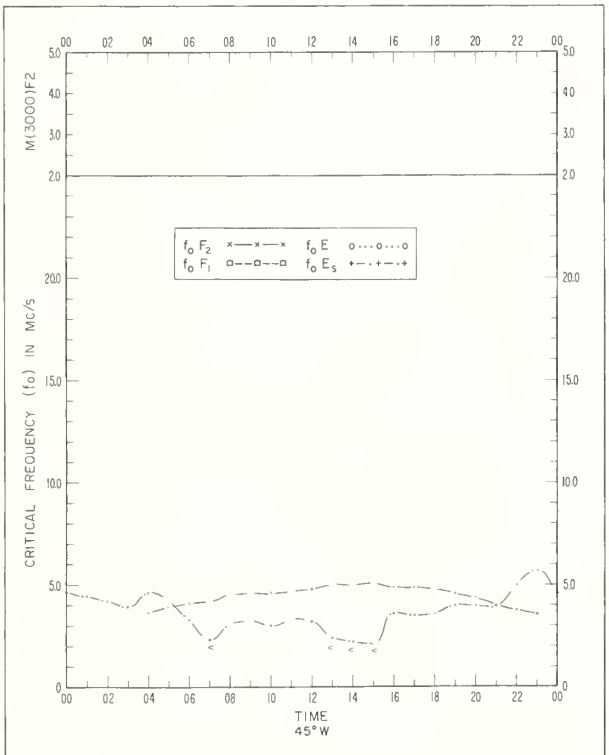

Fig. 95. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W
JULY 1962

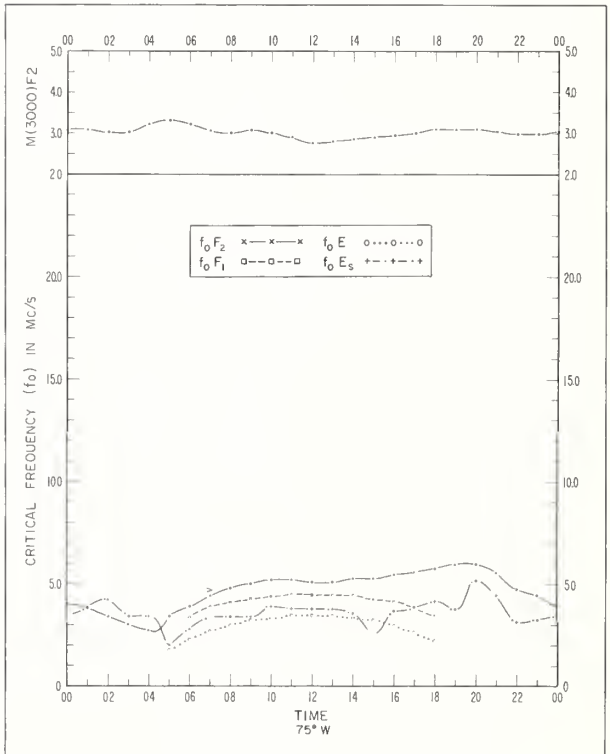

Fig 96. FT MONMOUTH, NEW JERSEY
40.4°N, 74.1°W
JULY 1962

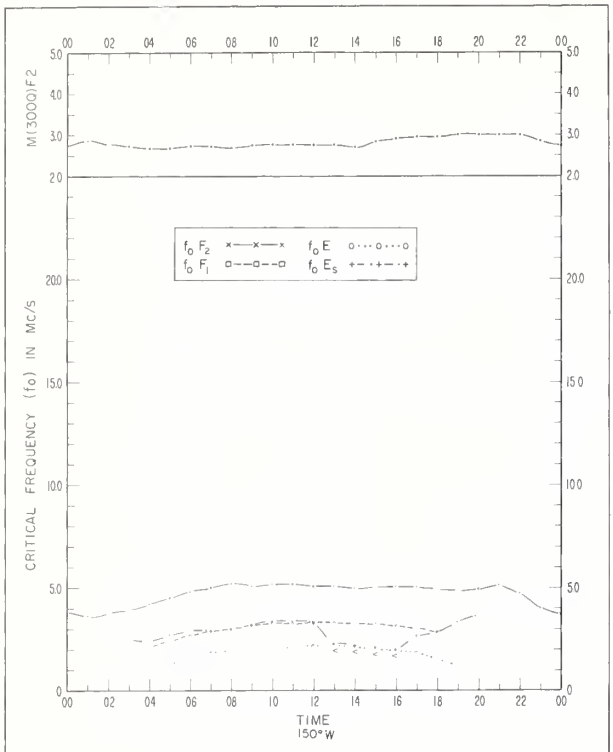

Fig 97. ANCHORAGE, ALASKA
61 2°N, 149 9°W
JUNE 1962

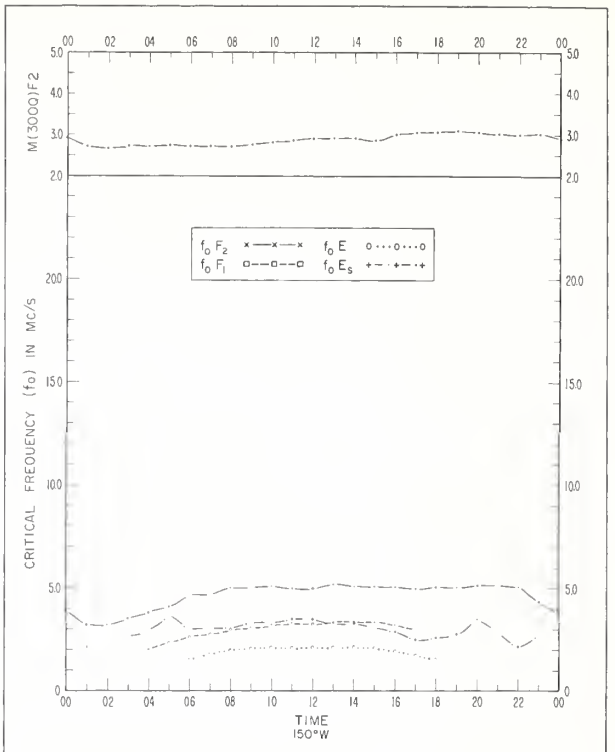

Fig 98 ANCHORAGE, ALASKA
61 2°N, 149.9°W
MAY 1962

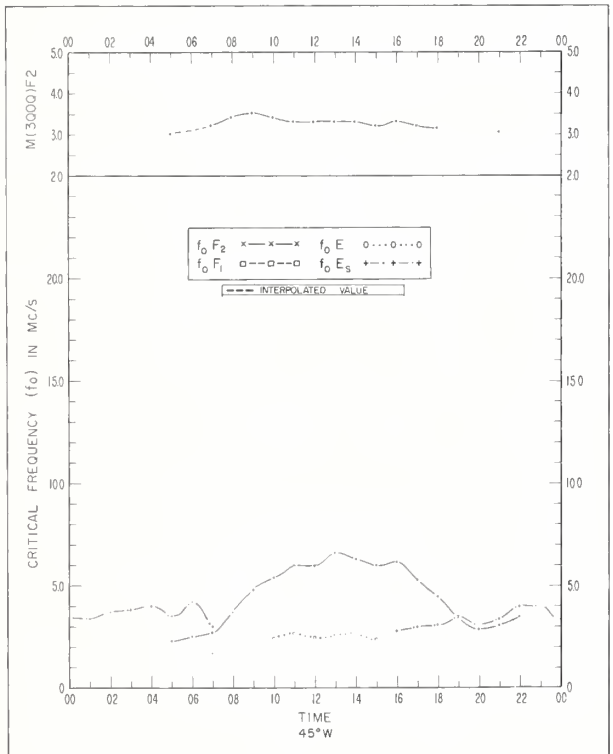

Fig 99. NARSSARSSUAQ, GREENLAND
61 2°N, 45.4°W
FEBRUARY 1962

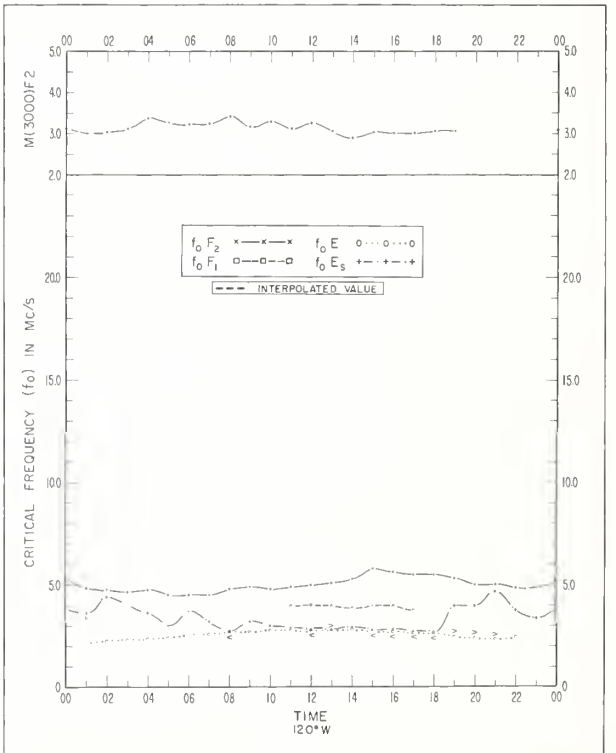

Fig. 100. BYRD STATION, ANTARCTICA
80 0°S, 120 0°W
JANUARY 1962

INDEX OF IONOSPHERIC DATA IN CRPL F232

INDEX OF IONOSPHERIC DATA IN CRPL F232

INDEX OF IONOSPHERIC DATA IN CRPL F232

Station	1957#												1958											
	J	F	M	A	M	J	Jy	A	S	O	N	D	J	F	M	A	M	J	Jy	A	S	O	N	D
Adak, Alaska	153	154	155	155	156	158	159	159	162	163	164	165	166	166	168	168	169	170	171	173	172	174	175	176
Ahmedabad, India	NR	-----	NP	--------		170	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NP	222	NP
Akita, Japan	155	155	157	157	158	161	163	162	163	164	165	166	168	168	170	178	172	173	179	179	180	180	182	183
Alert, Canada	----------						---	191	175	213	213	213	190	190	190	191	213	213	213	212	215	212	194	194
Alma-Ata, USSR	155	NP	157	161	168	164	170	---------		NP	--------		---------		NP	----------			---------		NP	----------		
Anchorage, Alaska	152	152	155	155	156	158	159	160	162	163	163	165	165	165	167	167	169	170	171	171	172	172	176	175
Ashkhabad, USSR	155	NP	160	167	168	NP	170	---------		NP	--------		---------		NP	----------			---------		NP	----------		
Baguio, P. I.	154	155	155	156	158	159	161	162	162	163	164	166	167	167	168	168	169	170	171	171	172	173	176	177
Baker Lake, Canada	154	155	156	157	158	159	160	162	163	163	165	165	166	167	178	177	171	178	179	174	179	181	181	183
Bangui, French Equatorial Africa	----------						----------						---	194	194	197	197	211	199	200	201	202	202	203
Bogota, Colombia	----------						174	161	167	176	----	ND-	179	180	181	178	183	181	183	178	183	181	178	178
Bombay, India	----------	NP	--------			169	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NP	222	NP
Boulder, Colorado	----------						----------						----------						---				187	187
Brisbane, Australia	156	166	158	158	158	159	160	162	163	164	165	169	169	169	176	177	172	177	173	174	174	181	181	183
Budapest, Hungary	212	212	212	212	188	159	161	162	167	166	169	169	170	178	176	178	212	212	212	191	212	212	182	NP
Buenos Aires, Argentina	154	156	156	157	-NR	----	-----	NR	--------		213	213	189	189	212	190	189	190	190	190	212	212	212	191
Bunia, Congo	----------						----------			162	165	166	169	171	174	177	174	178	179	179	179	180	182	183
Byrd Station	----------						172	179	179	181	179	179	180	180	181	181	183	184	183	184	184	188	188	189
Calcutta, India	---------	NR	--------			170	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NR	222	NP
Campbell I.	219	180	174	173	-NP	----	161	162	163	167	165	166	168	172	NR	NP	174	177	174	217	180	180	183	204
Canberra, Australia	213	213	213	173	NP	159	160	161	162	164	165	166	169	169	169	177	172	173	174	174	176	181	216	216
Cape Canaveral, Florida	----------						----------						-------		188	189	189	189	175	190	187	189	189	189
Cape Hallett	----------					161	162	175	167	167	169	213	170	171	176	177	172	181	179	174	179	180	182	183
Capetown, Union of S. Africa	154	155	156	157	158	160	161	162	163	164	165	166	166	169	176	172	172	229	178	230	180	180	182	183
Casablanca, Morocco	216	216	216	216	216	216	219	219	213	213	219	219	196	----------					----------					
Chiclayo, Peru	----------						164	165	164	164	165	167	169	169	169	170	170	176	178	184	184	184	184	185
Chimbote, Peru	----------						164	165	166	167	169	169	170	170	170	170	170	170	170	175	176	176	178	177
Chita, USSR	-------	157	167	168	NP		---------		NP	----------			---------		NP	----------			---------		NP	----------		
Christchurch, New Zealand	154	157	156	159	159	166	161	162	163	167	170	167	168	168	176	177	171	177	179	175	179	181	183	184
Churchill, Canada	154	155	156	158	158	159	160	161	164	166	165	166	166	167	169	178	172	172	174	178	180	181	183	183
Clyde, Baffin I.	----------						----------			213	213	213	216	194	194	215	215	215	216	216	230	216	-NR	----
Concepcion,Chile	----------						----------			184	171	173	173	174	174	174	174	189	183	186	187	188	188	188
Dakar, French W. Africa	216	216	216	216	216	216	219	219	213	213	219	219	195	193	195	197	197	211	199	200	201	202	202	203
De Bilt, Holland	154	155	156	156	156	159	159	160	163	163	166	165	166	169	168	178	171	172	174	175	180	180	182	183
Decepcion I.	----------		NR	----------			170	177	213	213	213	NR	213	213	195	195	213	213	198	200	201	202	202	217
Delhi, India	----------	NP	----------			169	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NP	222	NP
Djibouti, French Somaliland	216	216	216	216	216	216	219	219	213	213	219	219	195	195	195	197	197	NR	-NR	----	201	202	202	203
Dourbes, Belgium	----------						162	214	214	198	166	214	198	216	230	195	230	230	199	216	230	216	202	198
El Cerillo, Mexico	----------						----------						----------						---				182	183
Elisabethville, Congo	154	157	157	158	158	161	161	162	161	162	165	168	169	169	170	177	174	178	178	179	179	180	182	184
Ellsworth, Antarctica	----------					171	172	171	165	171	171	171	178	178	178	178	178	178	178	178	178	179	178	179
Eureka, Canada	----------						214	-NR	----	214	214	214	192	193	194	178	230	229	217	217	230	216	196	195
Fairbanks, Alaska (College)	152	153	155	156	157	157	159	159	162	163	164	165	165	165	168	168	169	171	171	172	172	173	176	176
Falkland Is. (Port Stanley)	157	160	160	164	164	164	163	163	164	164	166	166	169	169	171	172	172	173	174	174	176	181	181	182
Fletchers Ice I.	----------						161	162	161	162	164	164	167	167	168	169	170	172	174	175	173	174	177	177
Formosa, China (Taipei)	154	155	153	157	158	158	157	158	160	160	162	165	167	169	169	171	171	178	174	179	180	181	182	182
Ft. Monmouth, New Jersey	152	154	155	155	156	157	160	161	162	162	164	165	165	167	168	169	169	171	174	176	175	173	174	177
Freiburg, Germany	219	219	219	190	190	190	178	179	180	214	214	214	192	193	198	195	198	198	189	198	230	181	184	184
Frobisher, Canada	----------						-------		214	214	214	NR	---------		NR	--------		230	216	NR	230	216	216	195
Genoa, (Monte Capellino), Italy	-----	NP	----	175	175	175	175	177	-----	NP	--------		-----	NP	----	175	175	175	-NP	----	176	183	183	183
Godhavn, Greenland	158	158	158	158	163	161	161	161	162	164	172	172	171	171	171	171	171	171	172	173	175	177	184	184
Grahamstown, Union of S. Africa	----------						----------						-------		178	178	178	178	174	192	189	NP	184	184
Grand Bahama I.	----------					159	159	161	162	163	165	165	165	167	169	170	170	171	171	175	174	174	176	177
Graz, Austria	151	152	156	156	155	159	161	161	160	161	165	165	225	165	187	225	168	176	173	175	176	225	NP	183
Halley Bay	----------						211	-NP	----	202	202	204	204	206	212	211	212	211	212	212	217	213	202	203
Hobart, Tasmania	158	168	171	171	159	159	162	162	163	163	166	168	171	169	169	178	192	173	173	175	190	181	182	183
Hollandia, Netherlands New Guinea	----------						----------					215	194	194	194	196	197	198	199	199	200	202	202	203
Huancayo, Peru	155	155	157	158	158	158	159	163	164	164	165	165	167	167	168	169	169	170	170	176	176	176	176	176
Ibadan, Nigeria	161	160	173	173	173	173	164	211	170	168	170	169	170	173	173	173	172	173	174	178	191	181	204	191
Inverness (Fraserburgh), Scotland	156	160	160	160	160	160	161	163	163	164	165	166	167	168	170	204	171	204	173	203	176	180	181	183
Irkutsk, USSR	155	NP	160	162	164	NR	---------		NP	----------			---------		NP	----------			---------		NP	----------		
Johannesburg, Union of S. Africa	154	155	157	157	158	160	160	162	163	164	166	166	166	169	176	172	172	178	179	176	180	180	182	183
Juliusruh/Rugen, Germany	----------		160	167	160		163	163	163	215	215	215	217	192	229	217	NP	197	230	198	229	217	216	229
Kerguelen I.	213	213	196	199	199	198	211	211	211	211	211	211	205	212	212	212	212	212	217	217	217	217	217	217
Kiruna, Sweden	154	155	156	156	158	158	158	159	160	164	165	166	166	165	169	172	168	173	178	179	183	180	182	182
Kodaikanal, India	---------	NR	--------			171	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NR	222	NP
La Paz, Bolivia	----------						----------			165	178	175	175	175	175	175	175	175	174	175	181	180	179	186
LaQuiaca, Argentina	----------						----------						----------					190	192	191	192	----------		
Leningrad, USSR	155	NP	157	162	168	164	---------		NP	----------			---------		NP	----------			---------		NP	----------		
Leopoldville, Congo	154	157	157	158	158	161	161	162	161	162	165	166	167	169	170	177	174	178	178	179	180	180	182	183
Lindau/Harz, Germany	154	155	156	157	159	159	163	167	167	167	172	167	168	171	177	178	178	178	178	190	198	204	205	203
Little America	----------						177	176	176	177	177	179	180	180	182	183	184	184	184	184	185	184	184	184
Lulea, Sweden	154	155	155	196	197	211	162	162	164	214	192	213	190	193	190	209	190	190	190	179	176	180	182	183
Lwiro, Congo	192	196	196	196	197	211	189	189	189	214	ND	214	189	190	NP	211	211	211	190	194	194	194	194	194
Lycksele, Sweden	152	152	153	157	158	159	158	159	160	160	162	166	167	165	171	178	172	178	178	178	180	180	182	183
Macau	----------						----------						-----	NR	----	-----	NP	----	---------		NP	--------		183
Macquarie I.	171	-NP	----	173	172	173	171	177	166	168	170	213	217	-NR	----	NP	198	197	217	NP	ND	217	217	ND
Madras, India	---------	NP	--------			171	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NP	222	NP
Marion I.	----------						175	211	211	212	212	212	212	212	212	NR	212	---	----------					
Maui, Hawaii	152	152	154	155	156	156	159	159	161	162	164	164	166	166	167	167	168	169	170	171	172	173	174	177
Mawson	----------						----------						---	217	-----	NR	--------		---------		NR	----------		
Meanook, Canada	----------			NP	NR		166	164	166	165	165	NR	190	193	190	-----	NP	----	NP	196	194	216	216	193
Monte Capellino (Genoa), Italy	-----	NP	----	175	175	175	175	177	-----	NP	--------		-----	NP	----	175	175	175	-NP	----	176	183	183	183
Moscow, USSR	155	169	157	161	163	163	170	171	169	169	170	171	172	169	171	174	-NP	----	173	-----	NP	--------		183
Murmansk, USSR	167	167	167	167	-NR	----	170	NP	201	202	202	204	-NP	----	211	211	-NP	----	-NP	----	201	202	-NP	----
Nairobi, Kenya	NP	155	156	157	158	---	----------						----------						----------					
Narssarssuaq, Greenland	152	153	155	167	NP	ND	ND	168	169	164	164	164	166	167	168	168	169	170	171	172	172	181	179	179
Natal, Brazil	----------						----------						-------		172	171	NP	172	173	176	183	189	185	188
Nurmijarvi, Finland	154	155	156	156	187	187	159	161	160	164	166	165	166	168	171	177	172	172	174	190	176	180	181	183
Okinawa I.	152	153	154	155	156	157	160	160	162	163	164	165	167	167	168	168	169	171	171	175	172	174	176	176
Oslo, Norway	152	152	153	157	155	159	160	160	161	164	165	164	167	168	176	177	178	178	179	179	180	180	182	182

Station	1957												1958											
	J	F	M	A	M	J	Jy	A	S	O	N	D	J	F	M	A	M	J	Jy	A	S	O	N	D
Ottawa, Canada	154	155	155	157	158	159	160	160	163	164	165	166	166	167	177	208	171	172	174	179	179	180	182	182
Panama Canal Zone	153	154	154	155	156	158	160	161	161	162	164	165	166	167	167	168	169	170	170	171	172	173	174	177
Paramaribo, Surinam	----------						162	166	169	214	213	213	192	193	194	195	197	198	198	200	201	212	202	203
Point Barrow, Alaska (Barrow)	152	152	154	155	156	158	159	161	162	163	164	165	165	167	167	167	169	170	171	172	172	175	176	177
Poitiers, France	216	216	216	216	216	216	219	219	213	213	219	219	195	194	195	197	197	211	199	200	201	202	202	203
Pole Station	----------						172	173	173	173	171	164	180	180	182	182	183	183	183	183	184	184	190	191
Port Lockroy	158	158	NR	196	195	195	219	177	189	190	189	190	189	189	189	195	197	211	199	200	NP	205	203	191
Providenie Bay, USSR	-NP----		160	161	168	NP	---------NP----------						---------NP----------						NR	---------NP--------				
Pruhonice, Czechoslovakia	----------						----------						----------				224	224	-----NP--------				217	219
Puerto Rico (San Juan), W. I.	152	152	154	156	156	156	159	160	162	162	164	165	167	167	168	169	169	170	170	171	172	173	174	177
Rabat, Morocco	----------						----------						---	193	195	197	197	211	199	200	201	202	203	203
Rarotonga I.	154	169	157	158	160	161	161	162	163	168	170	168	167	168	176	177	177	178	179	178	180	180	181	183
Resolute Bay, Canada	154	155	155	158	158	159	161	161	163	163	165	165	166	167	168	170	172	172	174	179	179	180	181	182
Reykjavik, Iceland	154	155	155	156	157	157	159	162	162	163	164	165	167	167	168	170	170	170	171	172	174	174	176	177
Rome, Italy	----------						----------					169	166	173	171	174	172	172	174	179	180	181	181	183
Rostov-on-Don, USSR	155	NP	160	167	168	NP	170	-----NP----------					NP	NR	-----NP--------				---------NP----------					
St. John's, Newfoundland	---	154	154	156	157	157	159	160	161	162	164	165	166	167	167	168	169	170	175	175	172	174	174	177
Salehard, USSR	----------						170	-NP----	-NR----			NP	---------NP----------						---------NP----------					
Salisbury, Southern Rhodesia	----------						----------						NP	219	NP	219	219	219	217	217	219	216	217	NP
San Francisco, California	152	153	155	155	156	158	159	161	173	169	170	170	169	170	170	170	171	172	173	173	174	174	177	177
San Juan, Puerto Rico	152	152	154	156	156	156	159	160	162	162	164	165	167	167	168	169	169	170	170	171	172	173	174	177
San Salvador I.	----------						----------						----------						----------				188	188
Sao Paulo, Brazil	214	214	214	214	214	219	161	162	163	166	170	166	171	171	176	177	173	192	192	194	216	216	216	216
Schwarzenburg, Switzerland*	154	155	156	157	158	159	159	159	160	166	166	165	167	168	169	173	172	172	173	179	179	181	181	183
Scott Base	-------		156	158	158	161	160	162	163	167	169	167	166	171	176	177	172	172	178	178	180	181	182	204
Simferopol, USSR	157	NP	157	161	NR	164	---------NP--------					NR	---------NP----------						---------NP----------					
Singapore, British Malaya	158	161	160	160	164	164	164	164	163	164	187	189	191	191	189	172	172	173	174	176	176	181	181	182
Slough, England	156	157	158	160	160	160	161	162	167	164	166	169	168	171	169	170	172	173	174	203	179	180	183	183
Sodankyla, Finland	----------						---	162	163	168	168	168	167	168	171	171	172	178	173	179	180	180	182	182
Sottens, Switzerland*	154	155	156	157	158	159	159	159	160	166	166	165	167	168	169	173	172	172	173	179	179	181	181	183
Soya (Japanese Ship)	NP	206	-NP----		-NR----		---------NR----------						---------NR----------						-----NR--------				-NP----	
Svalbard, Norway	---------NR----------						166	166	208	208	214	214	192	192	208	190	191	190	190	196	213	208	202	215
Sverdlovsk, USSR	155	NP	160	161	168	164	170	177	-----NP--------				---------NP----------						---------NP----------					
Tahiti, Society Is.	----------						----------					219	195	193	195	197	197	211	199	200	201	202	203	203
Talara, Peru	158	155	158	158	158	159	163	163	163	165	165	165	166	168	168	170	170	170	171	175	176	177	178	176
Tamanrasset, French W. Africa	216	216	216	216	-NR----		219	219	213	NR	219	NR	NR	193	195	197	197	211	199	201	201	202	203	NR
Tananarive, Madagascar	216	216	216	216	216	216	219	219	213	213	219	219	195	194	195	197	197	211	200	200	201	202	203	203
Terre Adelie	216	NR	196	199	198	198	211	211	211	211	211	211	205	212	212	212	212	212	217	217	217	217	217	217
Thule, Greenland	152	153	155	155	157	158	160	161	162	162	164	165	165	167	168	168	170	173	175	175	175	174	174	177
Tiruchy, India	-----NP----------					169	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NP	222	NP
Tokyo, Japan	156	155	157	157	158	161	163	162	163	164	165	166	168	169	170	178	172	173	179	179	180	180	182	183
Tomsk, USSR	155	NP	157	161	NR	164	170	---------NP--------					---------NP----------						---------NP----------					
Tortosa, Spain	----------			-NP----			174	164	-----NP----			166	-----NP--------			174	NP		NP	179	179	-----NP----		
Townsville, Australia	158	158	158	158	158	160	160	162	164	164	166	168	169	183	176	177	178	173	175	190	215	180	181	182
Trelew, Argentina	----------						----------						----------			194	216	219	192	191	191	215	215	215
Trivandrum, India	----------					171	176	177	213	214	214	214	224	191	NP	224	222	NP	222	223	215	NP	222	NP
Tromso, Norway	154	155	156	157	158	159	159	160	161	163	163	165	166	168	176	177	179	178	173	179	176	180	182	182
Tsumeb, South W. Africa	----------						171	212	215	212	212	212	198	195	194	197	198	198	198	200	200	202	203	203
Tucuman, Argentina	----------						170	177	214	214	214	214	216	189	216	190	215	215	192	192	192	215	215	215
Uppsala, Sweden	154	152	153	156	155	159	158	158	160	161	164	165	168	165	169	170	168	178	179	179	180	180	182	183
Ushuaia, Argentina	----------						----------				215	ND	NP	193	191	-----ND----			192	ND	192	215	215	215
Victoria, Canada	----------						174	163	163	164	169	167	NP	215	215	215	215	NP	NP	216	224	216	216	191
Wakkanai, Japan	155	155	157	157	158	161	163	162	163	164	165	166	168	168	170	178	172	173	179	179	180	180	182	183
Washington, D. C.	150	151	152	153	154	155	158	160	161	162	163	163	166	166	166	167	169	169	170	171	172	173	174	175
Watheroo, W. Australia	154	155	156	156	157	159	161	160	163	164	166	166	168	169	176	187	172	178	178	175	176	181	183	182
White Sands, New Mexico	152	153	154	156	156	158	159	160	162	163	164	165	167	167	168	168	170	170	172	172	173	174	176	177
Wilkes Station, Antarctica	----------						177	177	178	178	178	178	180	182	NP	ND	183	183	184	184	184	NP	184	184
Winnipeg, Canada	154	155	156	157	158	159	159	162	163	163	165	165	166	166	177	177	172	178	173	179	179	181	182	182
Yakutsk, USSR	NP	157	157	167	168	164	---------NP----------						---------NP----------						---------NP----------					
Yamagawa, Japan	156	155	157	157	158	161	163	162	163	164	165	166	168	168	170	178	172	173	179	179	180	180	182	183
Yellowknife, Canada	----------						----------				215	215	-NP----		194	-----NR----			215	215	215	215	192	193
Yuzhno-Sakhalinsk, USSR	-------		157	167	168	NP	---------NP----------						---------NP----------						---------NP----------					

* Sottens as of July 1959; Schwarzenburg prior to that.

Code: NR = No data received.
NP = Data not published.
ND = No data in existence.
-- = (Without letter symbol) station not operating.

Data prior to 1957 and published in 1963 (CRPL-F221, Part A, through F232, Part A) are in the following issues:

Casablanca, Morocco, November 1956 - F223.
Decepcion I., Antarctica, November 1955 - in F229.
Godley Head (Christchurch), New Zealand, August 1955 - in F230.

Station	1959												1960											
	J	F	M	A	M	J	Jy	A	S	O	N	D	J	F	M	A	M	J	Jy	A	S	O	N	D
Adak, Alaska	179	179	181	182	183	183	185	186	187	187	187	188	189	190	192	195	196	215	210	211	212	212	202	203
Ahmedabad, India	205	206	210	213	218	220	218	217	220	220	220	220	222	227		219	223	224						225
Akita, Japan	185	186	186	187	188	188	207	210	215	209	205	204	206	193	194	195	196	198	199	199	200	201	202	203
Anchorage, Alaska	179	179	181	181	183	185	186	186	184	187	187	188	189	189	190	195	215	216	210	211	212	212	203	203
Baguio, Luzon	179	179	181	182	183	186	183	186	186	187	187	188	189	189	190	207	215	216	210	211	212	212	213	214
Baker Lake, Canada	184	185	----------				----------						----------						----------					
Bangui, Central African Republic	222	222	222	223	223	223	230	230	230															
Bogota, Colombia	184	184	185	184	184	NR	189	190	192	189	188	190	---------NR----------						NR	217	-----NR--------			
Bombay, India	205	206	210	213	218	220	218	217	220	220	220	220	222	227										
Boulder, Colorado	189	189	189	189	189	189	189	187	NP	188	188	189	189	189	192	194	193	215	210	211	212	213	202	203
Brisbane, Australia	184	184	185	185	188	189	204	190	192	204	204	191	204	205	206	223	196	197	NR	199	200	201	225	225
Budapest, Hungary	NP	193	189	185	188	198		190	193	210	204	203												
Buenos Aires, Argentina	192	NR	194	195	197	198	198	199	200	201	202	204				NP	208	225	224	224	224	225	225	225
Bunia, Congo	186	186	185	187	188	189	NP	191	193	209	204	202	192	193	195	196	196	224	227	227	227	227	227	NR
Byrd Station	190	191	193	193	194	197	198	199	200	192	208	209	212	212	206	207	216	216	210	211	213	213	213	214
Calcutta, India	205	206	207					217	220	220	220	220	222	227										
Campbell I.	204	206	207	218	218	218	218	218	218	218	218	218												
Canberra, Australia	192	193	194	195	196	198	192	199	200	201	202	203	-----NR----			223	NR	223	223	225	223	225	225	224
Cape Hallett	185	220	220	220	220	220	220	220	220	220	220	220	226	226	227	227	227	227	230	230	230	230	230	230
Capetown, Union of S. Africa	184	184	186	188	196	198	199	199	200	201	202	203	-----NR--------				-NP----		-----NP----				-----NR----	
Chimbote, Peru	180	181	181	182	183	---	----------						----------						----------					
Christchurch (Godley Head), N.Z.	185	206	207	219	219	219	219	219	219	218	218	218												
Churchill, Canada	184	185	187	187	209	211	205	210		201	201	205	192	207	195	195	196	197	198	199	200	201	202	203
Concepcion, Chile	188	190	194	207	208	209	210	211	212	188	189	189	205	205	206	207	208	209	210	211	212	213	213	214
Dakar, French W. Africa	193	193	194	197	197	198		200	200	225	225	203	204	205	224	225	225	225	218	218	218	218	218	218
De Bilt, Holland	185	185	187	210	210	207	216	210	209	205	204	191	207	193	194	195	196	197	198	199	200	201	202	225
Delhi, India	205	206	210	213	218	220	218	217	220	220	220	220	222	227										
Djibouti, French Somaliland	192	193	194	197	197	198		200	200	225	225	203	204	205	224	225	226	226	218	218	218	218	218	218
Dourbes, Belgium	192	193	195	196	215	198	215	211	214	201	202	204	204	205	206	224	208	224		222	225	225	225	225
El Cerillo, Mexico	184	193	194	195	197		191	200	191	191	201	219	199	199	194	196	196	197	198	199	200	201	202	203
Elisabethville, Congo	186	186	185	187	188	189	191	191	193	209	204	202	192	193	195	196	196	224	----------					
Eureka, Canada	192	----------					----------						----------						----------					
Fairbanks, Alaska (College)	179	180	182	181	183	184	185	185	187	187	188	188	189	190	190	194	215	216	210	199	201	213	203	203
Falkland Is.	185	185	186	186	188	188	191	213	191	193	193	209	207	207	194	195	196	197	198	199	223	225	225	225
Formosa, China (Taipei)	186	186	186	188	189	191	193	190	220	216	216	230	207	207	194	195	197	197	198	199	224	225	225	228
Ft. Monmouth, New Jersey	180	180	182	181	183	185	185	186	186	187	187	187	189	189	193	195	217	217	218	218	218	219	219	219
Freiburg, Germany	192	192	198	212	212	212	---------NP--------					NR	---------NP----------						---------NP----------					
Frobisher, Canada	192	----------					----------						----------						----------					
Garchy, France	----------						----------			201	202	212												
Genoa (Monte Capellino), Italy	192	185	185	187	189	224	217	217	224	217	217	224	196	193	194	195	196	197	218	218	218	218	218	203
Godhavn, Greenland	184	182	182	182	183	185	186	186	187	188	-ND----		NP	205	206	207	215	216	210	212	212	213	213	214
Grahamstown, Union of S. Africa	192	----------					----------						----------						----------					
Grand Bahama I.	180	182	182	182	184	185	185	186	187	188	189	189	191	191	193	207	215	216	210	212	212	213	213	NP
Graz, Austria	186	186	186	186	225	225	219	219	225	225	225	220	225	225	194	198	226	226	207	199	200	226	202	203
Hobart, Tasmania	184	184	185	-----NR----			---------NR----------						---------NR----------						---------NR----------					
Hollandia, Netherlands New Guinea	214	214	----------				----------						-- ----------						----------					
Huancayo, Peru	179	182	ND	182	184	185	186	186	186	187	187	188	190	190	191	193	194	195	196	199	200	201	202	203
Ibadan, Nigeria	185	185	185	187	188	189	190	199	200	201	202	203	204	205	206	222	208	224	222	225	222	225	225	225
Ilo, Peru	NP	181	183	182	184	---	----------						----------						----------					
Inverness, Scotland	185	185	186	207	209	210	210	213	207	207	202	191	192	207	194	195	196	197	198	199	200	201	226	206
Johannesburg, Union of S. Africa	184	184	186	188	197	198	199	200	200	202	202	203	---------NR----------						---------NR----------					
Juliaca (La Paz), Peru	-------		186	184	187	ND	---------ND----------						----------						----------					
Juliusruh/Rugen, Germany	192	193	194	195	196	198	199	199	220	216	216	220	204	205	207	222	208	224	224	226	222	226	226	226
Kiruna, Sweden	184	184	185	209	188	190	209	190	201	209	201	209	198	193	194	195	196	198	198	199	200	201	202	203
Kodaikanal, India	205	206	210	213	218	220	218	217	220	220	220	220	222	227		-----NP----			---------NP----------					
La Paz, Bolivia	----------						---------ND--------					NP	190	193	206	NP	208	209	210	217	212	217	213	214
Leopoldville, Congo	186	186	186	187	188	189	191	191	193	209	204	202	192	193	195	196	196	224	227	227	227	227	227	NP
Lindau/Harz, Germany	192	193	194	195	197	198	199	200	200	194	202	203	204	206	206	207	208	224	224	225	222	225	225	225
Lulea, Sweden	185	185	185	187	188	189	190	190	192	191	214	194	192	193	194	195	196	197	198	225		201	202	203
Lwiro, Congo	186	184	186	186	191	190	205	191	191	205	203	204	192	205	221	223	196	224	198	NP	223	225	225	NR
Lycksele, Sweden	185	185	185	185	188	201	192	191	221	191	216	220	207	207	194	195	196	197	198	199	200	201	202	203
Macau	184	185	220	222		221	217	217	221		193		204	205	207	-----NR----			---------NR----------					
Madras, India	205	206	230	213	218	220	218	217	220	220	220	220	222	227										
Maui, Hawaii	179	179	181	182	183	184	185	186	187	187	187	188	189	189	192	195	208	216	210	212	212	213	213	214
Mawson	-NR----				219	220	219	217	200	202	217	203	204	218	NP	-NR----		224	224	224	224	228	226	228
Meanook, Canada	192	----------					----------						----------						----------					
Monte Capellino (Genoa), Italy	192	185	185	187	189	224	217	217	224	217	217	224	196	193	194	195	196	197	218	218	218	218	218	203
Moscow, USSR	186	186		207	188			191	191	201			204	194	206	196	197							
Mundaring, W. Australia**	----------			227	217	227	217	217	227	217	217	227	192	218	206	223	223	224	223	225	223	226	226	226
Narssarssuaq, Greenland	184	182	182	182	183	185	186	186	187	188	188	188	192	191	216	207	215	216	210	212	212	213	213	214
Natal, Brazil	189*	NR	NP	212	NP	214	214	214	ND	193	190	196	222	218	221	217	217	NP	224	226	222	221	221	221
Nurmijarvi, Finland	185	186	185	186	188	221	190	192	191	201	194	193	203	193	194	195	196	197	198	199	200	201	202	203
Okinawa I.	179	180	181	182	183	185	186	186	186	187	187	187	189	191	-----NP--------				---------NP----------					
Oslo, Norway	185	----------					----------						----------						----------					
Ottawa, Canada	185	185	185	217	217	230	216	216	200	201	216	230	192	193	195	195	196	197	198	199	200	201	202	203
Paramaribo, Surinam	212	214	224	224	224	224	NR			224	224					230		224			224			
Paris, France	----------						----------						----------			-NP----		226	218	218	218	218	218	218
Point Barrow, Alaska	180	180	182	182	183	183	184	186	187	187	187	188	189	189	190	195	196	216	210	212	212	213	213	214
Poitiers, France	222	222	222	223	223	223	230	230	230															
Pole Station	193	193	193	193	195	195	196	196	196	196	191	191	191	212	214	216	216	215	211	212	213	229	225	214
Port Lockroy	192	206	207	207	214	214	199	200	200	201	202	203	204	205	221	222		224	222	226	222	226	225	
Providenie Bay, USSR	---------NP----------						191	---------NP--------					---------NP----------						---------NP----------					
Pruhonice, Czechoslovakia				196	197	214	217	217	219	217		197	204	205	206	207	197	197						
Rabat, Morocco	222	222	222																					
Rarotonga I.	219	206	207	218	218	218	218	218	218	218	218	218												
Resolute Bay, Canada	184	185	222	188	217	222	217	217	201	201	217	191	192	193	195	195	196	197	198	199	200	201	202	203
Reykjavik, Iceland	181	181	182	182	183	185	186	186	187	187	188	189	189	214	216	216	215	209	210	212	212	213	216	214
Rome, Italy		186	186	186	188	222	190	190	192	217	217	196	207	193	194	196	196	197	198	199	200	201	202	203
St. John's, Newfoundland	180	181	181	182	182	198	217	199	200	201	211	220	192	205	195	195	196	197	198	199	200	201	202	203
San Francisco, California	179	----------					----------						----------						----------					

Station	1959												1960											
	J	F	M	A	M	J	Jy	A	S	O	N	D	J	F	M	A	M	J	Jy	A	S	O	N	D
San Salvador I.	188	-----	NR	----	NP	NR	---------			NR	----------		---------			NR	----------		---------			NR	----------	
Sao Paulo, Brazil	192	193	194	195	197	198	212	199	200	201	202	203	204	205	207	207	208	224	224	226	222	226	226	226
Schwarzenburg, Switzerland***	209	184	186	-----	NP	----																		
Scott Base	220	220	220	220	220	220	220	220	220	220	220	220	226	226	226	226	226	226	230	230	230	230	230	230
Simferopol, USSR	---------			NP	----	191	191	191																
Singapore, British Malaya	184	184	185	187	188	187	190	191	191	208	208	208			194	195	196	197	198	199	200	201	226	225
Slough, England	184	184	186	208	188	190	208		208	208	208	191	192	207	194	195	196	197	198	199	222	225	225	225
Sodankyla, Finland	185	186	185	187	188	191	192	190	201	217	194	192		193	194	195	196	197	198	199	200	201	202	203
Sottens, Switzerland***	209	184	186	-----	ND	----	190	219	230	219	219	220	192	193	194	195	196	198	198	199	200	201	202	203
Svalbard, Norway	192	199	194	195	196	197	198	199	----------				----------						----------					
Syowa Base, Antarctica	---	219	219	219	219	219	219	225	225	225	225	225	225											
Tahiti, Society Is.	193	193	194	197	197	198		200	200	225	225		204	206	224	226	226	226	218	218	218	218	218	218
Talara, Peru	180	180	181	182	186	184	186	187	187	187	188	188	191	191	193	194	195	196	198	200	202	201	202	203
Tamanrasset, Algeria	222	222	222	223	223	223	230	230	230															
Tananarive, Madagascar	192	193	194	197	197	198		200	200	225	225	203	204	205	224	226	226	226	218	218	218	218	218	218
Thule, Greenland	179	180	181	182	183	184	186	186	187	188	187	188	190	191	194	193	215	215	210	NP	201	201	203	214
Tiruchy, India	205	206	210	213	218	220	218	217	220	220	220	220	222	227	---------		NP	----	---------		NP	----------		
Tokyo, Japan	185	185	185	187	188	188	207	210	215	209	205	204	206	193	194	195	196	198	199	199	200	201	202	203
Townsville, Australia	217	-ND	----	NP	190	190	190	190	192	217	208	203	204	205	221	222	223	NP	223	199	200	201	202	NP
Trelew, Argentina	217	193	194	196	196	198	198	200	200		NR	200				NR	228	228	228	228				225
Trivandrum, India	205	206	210	213	218	220	218	217	220	220	220	220	222	227	-----	NP	----------		---------		NP	----------		
Tromso, Norway	183	184	187	217	188	190	190	190	192	217	208	208	207	193	194	195	-NR	----	NR	NP	200	201	202	203
Tsumeb, South W. Africa	204	206	207	212	214	213	221	221	224	224	224	224	----------						----------					
Tucuman, Argentina			194	212	212	212	212	212	212	212	212	212	217	217	217	NR							NR	----
Uppsala, Sweden	188	210	185	185	189	222	190	191	210	210	201	209	207	193	194	196	196	197	198	199	200	201	202	203
Ushuaia, Argentina	192	193		----------			----------						----------						----------					
Victoria, Canada	192	----------					----------						----------						----------					
Wakkanai, Japan	185	185	185	187	188	188	207	210	215	209	205	204	206	193	194	195	196	198	199	199	200	201	202	203
Warsaw (Miedzesyn), Poland																	223	224	224	225	223	225	225	225
Washington, D.C.	177	177	181	182	183	183	183	186	186	187	187	188	189	189	191	191	194	194	196	197	197	201	202	202
Watheroo, W. Australia	185	184	NP	----------			----------						----------						----------					
White Sands, New Mexico	179	179	181	182	183	185	187	186	187	187	188	189	189	191	193	193	208	216	210	211	201	201	202	203
Wilkes Station, Antarctica	184	NP	212	214	214	212	212	199	200	219	212			205	221	223	223	224	223	224	223	224	227	226
Winnipeg, Canada	188	219	185		219	222	208	199	200	201	209	208	192	193	195	195	196	197	198	199	200	201	202	203
Yamagawa, Japan	185	185	186	187	188	188	207	210	215	209	205	204	206	193	194	195	196	198	199	199	200	201	202	203
Yellowknife, Canada	192	----------					----------						----------						----------					

* Also in F222.
** Mundaring station succeeded Watheroo, April 1959.
*** Schwarzenburg station moved to Sottens, July 1959.

Code: NR = No data received.
NP = Data not published.
ND = No data in existence.
-- = (Without letter symbol) Station not operating.

Station	1961												1962											
	J	F	M	A	M	J	Jy	A	S	O	N	D	J	F	M	A	M	J	Jy	A	S	O	N	D
Adak, Alaska	214	214	214	216	216	215	210	212	-NP	----	218	218	222	223	221	226	229	228	231	230	231	231	232	232
Ahmedabad, India	222	221	226	222				222	230	230	228	228	221	223	223	231								
Akita, Japan	204	205	206	209	208	210	211	211	229	229	227	228	221	221	221							230		
Anchorage, Alaska	214	214	216	216	215	216	210	212	213	217	221	218	230	222	223	224	232	232		232	232	232	.	232
Athens, Greece	229	229	224	223	226	227	225	225																
Baguio, Luzon	224	205	206	226	208	209	210	211	227	223	227	228	224	223	223	223	223	223	223	224	223	227	227	228
Bombay, India															229									
Boulder, Colorado	214	214	216	217	216	215																		
Brisbane, Australia	223	222	226	226	208	209	210	211	229	229	227	228	220	221	221	223								
Buenos Aires, Argentina	223	223	223	226	226	226	226	226	226	229	229	229												
Byrd Station	214	214	214	231	231	231	231	231	231	231	231	231	232	-ND	----									232
Canberra, Australia	224	NP	226	226	-NR	----	210	211	229	229	227	228	220	221	221	223								
Capetown, Union of S. Africa	204	205	206	207	208	209	226	228	229	229	227	228												
Christchurch, N. Z. (Godley Head)	205	206	206	226	208	209	210	211	229	229	227	228												
Churchill, Canada	204	205	206	207	208	209	210	211	228	229	228	228			221	223								
Cocos Is.																	224							
Concepcion, Chile	214	214	217	217	221	223	224	222	222															
Dakar, French W. Africa	225	225	226			227	227	221	223															
De Bilt, Holland	204	206	206	207	208	209	210	228	228	229	228	228												
Delhi, India															229									
Djbouti, French Somaliland	223	221	226	226	226	227	226	222	224															
Dourbes, Belgium	223	206	207	226	208	209	210	211	228	229	228	228	221	221	221	223								
El Cerillo, Mexico	206	205	206			209			228															
Fairbanks, Alaska (College)	214	214	214	216	216	216	216	220	212	213	219	219	223	222	228	229	231	231	231	231	231	231	231	232
Falkland Is. (Port Stanley)	223	221	207	207	226	210	210	228	228	229	228	228	221	221										
Formosa, China (Taipei)	204	205	206	207	208	209	210	211	228	229	228	228	221	221	221	223								
Ft. Monmouth, New Jersey	218	218	218	219	219	219	-ND	----		224	220	220	225	221	223	227	225	230	232	231	232	231	232	232
Freiburg, Germany	229	229	229	222	222	222																		
Garchy, France								228	228	229	228	228	228											
Genoa (Monte Capellino), Italy	225	225	225	225	225	225	225	225	225	225	225	225												

Station	1961												1962											
	J	F	M	A	M	J	Jy	A	S	O	N	D	J	F	M	A	M	J	Jy	A	S	O	N	D
Godhavn, Greenland	217	214	216	217	217	217	217	222	228	229	222	224	225	231	231	231	231	231	231	231	231	231		
Grand Bahama I.	-NP-	---	218	218	219	221	-----		NP-	---	218	218	221	222	221	228	231	224	231	NP	231	231	231	232	232
Graz, Austria	204	205	206	207	208	209	210	211	230	229	228	228	223	221	221	223								
Hobart, Tasmania	-----	NR-	---	226	208	209	210	211	230	229	228	228	220	221	221	231								
Huancayo, Peru	204	204	206	206	207	208	208	217	213	217	218	222	224	225	230	230	228	231	231	231	231	231	231	232
Ibadan, Nigeria	225	221	226	226	226	227	226	228	230	227	228	228	221	221	221						230			
Inverness, Scotland	224	205	206	207	226	210	210	211	229	227	228	228	221	221	221									
Johannesburg, Union of S. Africa	204	205	206	207	208	209	226	228	229	229	227	228												
Juliusruh/Rugen, Germany		221	226	226	227	227	227	228	229	227	228	230												
Kiruna, Sweden	204	205	206	207	208	209	210	211	229	227	228	230	221	221	221	231								
Kodaikanal, India															229									
La Paz, Bolivia (Juliaca)	NP	217	217	-----	NR-	---	223	-----	NR-	---												232	232	232
Leopoldville, Congo	225	221	227	228	228	228	228	230	229	229	228	228												
Lindau/Harz, Germany	224	221	226	226	227	227	227	228	229	229	230	228												
Lulea, Sweden	204	205	206	207	208	209	210	211	230	229	228	228		221	221									
Lycksele, Sweden	204	205	206	207	208	209	210	211	230	229	230	228	221	221	221									
Macau			226	226	227																			
Madras, India															229									
Maui, Hawaii	217	217	217	217	220	220	220	220	220	220	220	220	220	220	220	227	225	231	231	230	231	232	231	232
Mawson, Antarctica	226	229	229																					
Mundaring, W. Australia*	204	205	226	207	208	209	210	211	229	224	229	228	221	221	223		223	223						
Narssarssuaq, Greenland	218	218	218	219	218	219	219	219	223	229	223	223	224	232	225	223	231	231	232	232	232	232	231	232
Natal, Brazil	229	229	229																					
Nurmijarvi, Finland	204	205	206	207	208	209	210	211	229	229	230	228	221	221	221									
Okinawa I.	228	226	227		228	228	223	227	223	227	226			230	229	231	223	224	231	231	231	232	231	231
Ottawa, Canada	204	205	206	207	208	209	210	211	229	229	230	228			223									
Paramaribo, Surinam		230		231		230			230															
Paris, France	225	222	226	226	227	227	227	228	223															
Point Barrow, Alaska (Barrow)	219	219	219	219	218	218	219	218	218	219	219	222	229	229	223	230	223	231	231	231	231	232	232	232
Pole Station, Antarctica	219	229	222	222	222	221	231	231	228	231	224	231												
Port Lockroy	228	221																						
Port Moresby, Papua					222	224	224		229	229	227	224				230								
Pruhonice, Czechoslovakia				207	208	209	210	211	227	230	230	228			221	230								
Rarotonga, Cook Is.						227	227	230	229	229	230	228												
Resolute Bay, Canada	204	205	206	209	208	209	210	211	228	229	230	228			223	224								
Reykjavik, Iceland	220	220	220	220	220	220	220	222	220	220	222	222	226	227	231	227	227	230	231	231	231	231	231	231
Rome, Italy	204	205	206	207	208	209	211	211	228	229	230	228	221	221				223	223					
St. John's, Newfoundland	204	205	206	207	208	209	210	211	228	229	230	227						223						
Sao Paulo, Brazil	229	221	226	226	227	229	227	227																
Singapore, British Malaya	221	205	206	207	227	210	210	211	228	229	230	227	221	221	230									
Slough, England	221	205	207	226	227	209	209	211	228	229	230	227	221	221	230									
Sodankyla, Finland	204	205	206	207	208	209	210	230	227	229	230	227	221	221	230	230								
Sottens, Switzerland**	204	205	206	207	208	209	211	211	227	229	230	227	221	221		230								
Tahiti, Society Is.	224	221	226	226	227	227	228	222	223															
Talara, Peru	206	206	204	206	207	208	217	217	217	217	218	218	225	222	222	225	229	231	231	231	231	231	231	232
Tananarive, Madagascar	224	221	226	226	227	227	228	222	223															
Thule, Greenland	219	219	219	219	219	219	219	219	225	219	220	219	227	226	224	231	231	225	231	231	231	232	231	232
Tiruchy, India															229									
Tokyo, Japan (Kokubunji)	204	205	206	209	208	210	211	211	229	229	227	228	221	221	221							230		
Townsville, Australia		205	206	226	208	209	228	230	222	222	-NR-	---	-NR-	---		231	224							
Trelew, Argentina	227	221	226	226	226	226	227	227	227	229	229	229												
Trivandrum, India															229									
Tromso, Norway	204	205	206	207	208	209	211	211	227	229		227	221	221										
Tucuman, Argentina				226	226	226																		
Uppsala, Sweden	204	205	206	207	208	209	210	211	227	229	230	228	221	221	231	223								
Wakkanai, Japan	204	205	206	209	208	210	211	211	229	229	227	228	221	221	221							230		
Warsaw (Miedzesyn), Poland	228	221	226	226	227	223	224	224	227	229	230	224	223											
Washington, D. C.	203	203	205	205	207	208	208	209	212	218	217	218	218	220	228	228	223	224	230	231	231	231	231	232
White Sands, New Mexico	223	223	227	220	223	222	221	229	222	223	229	226	230	229	231	230	230	228	231	232	232	231	232	232
Wilkes Station, Antarctica		230																						
Winnipeg, Canada	204	205	206	207	208	209	210	211	227	229	230	228				223								
Yamagawa, Japan	204	205	206	209	208	210	211	211	229	229	227	228	221	221	221							230		

* Succeeded Watheroo, April, 1959.
** Succeeded Schwarzenburg, July 1959.

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NP = Data not published.
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-- = (Without letter symbol) Station not operating.

Station	1963											
	J	F	M	A	M	J	Jy	A	S	O	N	D
Adak, Alaska	232	232	232	232								
Anchorage, Alaska	232	232	232	232								
Baguio, Luzon	229	230	231	231	231		231	231				
Barrow, Alaska	232	232	232									
Byrd Station, Antarctica	232											
College (Fairbanks), Alaska	232	232	232									
Concepcion, Chile		232		232	232							
Ft. Monmouth, New Jersey	232	232		232								
Grand Bahama I.	232	232	232	232		232						
Huancayo, Peru	232	232	232									
Kodaikanal, India	230			231								
Maui, Hawaii	232	232	232	232		232						
Narssarssuaq, Greenland	232	232	232	232	232							
Okinawa I.	232	232	232	232								
Reykjavik, Iceland	232	232	232	232								
Talara, Peru	232											
Thule, Greenland	232	232	232									
Washington, D. C.	232	232	232	232								
White Sands, New Mexico	232	232	232	232								

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